SEQUENCE LISTING <110> Wand

<110> Wang, Tongtong
Bangur, Chaitanya S.
Lodes, Michael A.
Fanger, Gary
Vedvick, Tom
Carter, Darrick
Retter, Marc
Mannion, Jane

Fan, Liqun THE

<120> COMPOSITIONS AND METHODS FOR $_{\pmb{\Lambda}}$ THERAPY AND DIAGNOSIS OF LUNG CANCER

<130> 210121.478C10

<140> US

<141> 2000-08-29

<160> 1679

<170> FastSEQ for Windows Version 3.0

<210> 1

<211> 527

<212> DNA

<213> Homo sapien

<400> 1

(100)	_					
ccaccagtcc	acaaatgtga	ctggtaaggg	atctagtaac	agaggatgga	gttgggcaga	60
atattatcct	ggatgatatg	cacccagcac	tagaatacac	ctttcattag	aatgaagaga	120
acagacaaag	ccctcagaaa	agatacaaag	gcagagacat	tgattagaac	attatctcat	180
aacagaggtg	gggccattac	ccaccattat	tgtaaaataa	ctgtaactaa	ccaaaacaca	240
tacaggcttc	tttaatggag	ttaataaaac	tatggcacat	tgggaatcag	gggcagaggt	300
actgttccca	gacggaaaac	tgggataaag	ggagccatgc	tgacagggcc	ttattccagt	360
ctaggttgtt	agaaaggagc	cctagcccag	aaatgacagc	aaatagccat	aatcattatg	420
tggggctgaa	ccagaggaag	ccaggctgag	ccaagaagct	ggaagtatct	tgaacggctc	480
tccaaatcca	aagattatcc	atactcttta	tccctccagc	gatgtgt		527

<210> 2

<211> 490

<212> DNA

<213> Homo sapien

<400> 2

ccaagagttc	tccactgtga	agactgaaag	gacctggtga	catttcggca	tcagtcctgt	60
taccacttgg	aggtaacaga	agcaggctcg	tgtcctcctt	taattctacc	acactacatg	120
actcgcaatt	ggttctgaaa	ttagaacgtt	caccatcgta	cttaaaatct	taggggcatg	180
aagagtcagc	tagaacaagg	aaaaagaaag	tcgcaggtag	taggtaagta	ggtgggcaca	240
tgaaaagcca	agctgctctg	tccaacacca	gtgtacatgt	gctttaacta	aatgaactcc	300
agaggccaac	agcagcagac	ctgctcaatt	caccttccaa	atcagaacaa	gaccaaaaag	360
ctcaggcttg	agttgtcaac	tatgcatagg	ttccgccagt	gctgaggggt	gtgaggctct	420
agttgtgaag	aagctacaag	aaatcatgat	gcatgtgatc	tgggccgcac	tggcatttgc	480
agctattcag						490

```
<210> 3
      <211> 464
      <212> DNA
      <213> Homo sapien
      <400> 3
                                                                        60
ggagctgtgg gctcagtcgt ggggcagatt gcaaagctca agggctgcaa agttgttgga
gcagtagggt ctgatgaaaa ggttgcctac cttcaaaagc ttggatttga tgtcgtcttt
                                                                       120
aactacaaga cggtagagtc tttggaagaa accttgaaga aagcgtctcc tgatggttat
                                                                       180
gattgttatt ttgataatgt aggtggagag ttttcaaaca ctgttatcgg ccagatgaag
                                                                       240
                                                                       300
aaatttqqaa ggattgccat atgtggagcc atctctacat ataacagaac cggcccactt
cccccaggcc cacccccaga gattgttatc tatcaggagc ttcgcatgga agcttttgtc
                                                                       360
gtctaccgct ggcaaggaga tgcccgccaa aaagctctga aggacttgct gaaatgggtc
                                                                       420
                                                                       464
ttagagttta aatttcagct tccctacttt gtaattgact gact
      <210> 4
      <211> 510
      <212> DNA
      <213> Homo sapien
      <400> 4
ccttatcaca ctgtaagtgg tccaagccca tagggatgct ctttttggtt cctggaattt
                                                                        60
ccagttggat gtgacagaga tctttcagta taggtctaag tcaagagtag cctctgggtt
                                                                       120
                                                                       180
gaggtgggct gggagattaa catcttacct ggggtccttc agataaacct gttggttttt
cctgtctcat acaggcccat cttaagtttt gatgttgaat taaaactact tctacccct
                                                                       240
tagttataaa aaaggccaca aggagcattt atgtggatat ctggaagtga gatagttatt
                                                                        300
ccattcccag gaaaagaaaa ataaagctaa gttacaaaac taaatctata tgcaataaag
                                                                        360
                                                                        420
ttattatata ctgctttgtt taagcagagt cctctggaat ttatgtacag tacattagtt
ttcagctatt tatattccac aagttagacc ttaagattct ctggttttaa gacaattgtt
                                                                        480
                                                                        510
aaagatactt ctaaagctct gagcagttca
      <210> 5
      <211> 452
      <212> DNA
      <213> Homo sapien
      <400> 5
                                                                        60
acagegeete aegeaeetga geeeegagga gaaggegetg aggaggaaae tgaaaaacag
                                                                        120
agtagcagct cagactgcca gagatcgaaa gaaggctcga atgagtgagc tggaacagca
                                                                        180
agtggtagat ttagaagaag agaaccaaaa acttttgcta gaaaatcagc ttttacgaga
                                                                        240
gaaaactcat ggccttgtag ttgagaacca ggagttaaga cagcgcttgg ggatggatgc
cctggttgct gaagaggagg cggaagccaa ggtaaatcat ctcctttatt tggtgcctca
                                                                        300
tgtgagtact ggttccaagt gacatgaccc agcgattatg tttacagtct ggacttctga
                                                                        360
                                                                        420
tcaagagcgt tcttgaaatt ttccttcagt tttaagacat tttcatgcag gcagagtgtt
                                                                        452
cttcccctaa aggcacttga cactcatttt tt
      <210> 6
      <211> 336
      <212> DNA
      <213> Homo sapien
      <400> 6
tatagagtgc tgacatctga cattgagaaa ttcatgccta ttgtttatac tcccactgtg
```

ggtctggctt gccaacaata atccacgatc gagggcatat gccattgtgg tgactgatgg atgggcatcc ctgtgggtaa gaatgtctgc ctgtcattct	tgcttcagtt agagcgtatt attggctcta	ctcaatgcat cttggcttgg tatacagctt	ggccagaaga gagaccttgg	tgtcatcaag ctgtaatgga	120 180 240 300 336
<210> 7 <211> 376 <212> DNA <213> Homo sapid	en				
<pre><400> 7 ctgtgggaaa cctcattgtt aggagttagc caaacaacaa atatctttgg ataatgttat agatggtaag acctctgaga cagaatggat catgtccccc gaaagaaaga aagaaagaag</pre>	caaaaacaaa ttctatttt ccaaaatttt ttatgttgag	aaatgtgctg tattttttt gtcccatctc gtgaccactt	ttcaagtttt cattagaagt taccccctca aattgctttc	cagctttaag taccaaatta caactgctta ctgcctcctt	60 120 180 240 300 360 376
<pre><210> 8 <211> 406 <212> DNA <213> Homo sapi</pre>	en				370
<pre><400> 8 ggtagggagc aattctatta agaacaggtg agtctagaag ctgtgttaaa gatgctgcta gtaaaacgtt gggattgaca cttcttgtga aatactaatg aggacaaatt aaaagggggt gggaaaagct gtccatagtg</pre>	tccaactctg atgtcagtca agatagatct acagcatcat aagagcctta	aaaaggacca ctgggtgcac gatactctgt cctgccaagc tcatgatgag	ctgtacattt taaaggatct taagttaccc gaaagaggca gagtcttgtt	gaacacacgg cttattttat tctgaagcta ggcataagca	60 120 180 240 300 360 406
<210> 9 <211> 330 <212> DNA <213> Homo sapi	en				
<pre><400> 9 actactacca agagctgcag ggggttttct gggcctctcc ctctggcctt ccgagaaggt ataaaacgga agcagcctct tgccatttcc tttctctgcc tggtgctggt ctgtgttctg</pre>	aatattaagt accatcaatg cgatataacc cagtctgggg	tcaggccagg tccacgacgt tgacgatctc ctggggtgcc	atctgtggtg ggagacacag agacgtcagc	gtacaattga ttcaatcagt gtgagtgatg	60 120 180 240 300 330
<210> 10 <211> 449 <212> DNA <213> Homo sapi	en				
<400> 10 ctgacggctt tgctgtccca	gageegeeta	aacgcaagaa	aagtcgatgg	gacagttaga	60

ggggatgtgc taaagcgtga aatcagttgt ccttaatttt tagaaagatt ttggtaacta ggtgtctcag ggctgggttg gggtccaaag tgtaaggacc ccctgcctt agtggagagc tggaggcttgg agacattacc ccttcatcag aaggaatttt cggatgtttt cttgggaagc tgttttggtc cttggaagca gtgagagctg ggaagcttct tttggctcta ggtgagttgt catgcgggta agttgaggtt atcttgggat aaagggtctt ctagggcaca aaactcactc taggtttata ttgtatgtag cttatatttt ttactaaggt gtcaccttat aagcatctat aaattgagtt cttttctta gttgtatgg	120 180 240 300 360 420 449
<210> 11 <211> 472 <212> DNA <213> Homo sapien	
<pre><400> 11 cctcgatgca tgctgctcta cctctcatca gcccacagtc tgacacgagg tcatctttgg tctgtggtga ggtatggatg tctgcagtct acacaacagc cctgcagaac gggcctggac aacccttggg ggataagaca gccacacatg gctcaggctg ttaggtgtcc actgtcacag tccaaagaga aaggtacggc ctccaagggg gcagcttaag ccaacatgta agacttgggc acgatgaaag gacggggtc cagctacgaa tgtttttgtt cttgatgtca agttgccagc tactggaagg caggagcagt ttcttctttt tcccactctg tgctgggtac ttgggagagg cgaaataaat accagactgt ccactcctca gcctaaggtc cttctcaagt cctgcacact cagcacttgc tctttaacgt ggcatatgtt cccccatctt cccctggtaa tg</pre>	60 120 180 240 300 360 420 472
<210> 12 <211> 371 <212> DNA <213> Homo sapien	
<pre><400> 12 ttttttttt tttttttt tttttggarat ttgkcacatt ttattcagwa tttctgctgc actgccagcc tagggatgca cttgattccc aagaaatgca actgtcctat tcgcaragcc gtccacaggt acctaccccc tggactgcag caactttatt accttaacta gcacaraaca gaggttgatt taaactcctt acactcactt ctcaratcaa tgaatgggca aaraaacmcc tcatggctct gggaaggcat gctgaraccc gtttttgcaa gtcctgagga atggaaraat atagctgcca ggtatcccaa gtctagggca gggagggkag tatcggcatc actttcactg cattctgttg g</pre>	60 120 180 240 300 360 371
<210> 13 <211> 493 <212> DNA <213> Homo sapien	
<220> <221> misc_feature <222> (1)(493) <223> n = A,T,C or G	
<pre><400> 13 ccagtccaac ctgctcctca ttattgtata aatgagcaga atcaatatgg cggaagccag ctycaattgc caatttggtg gcctctaaag ctttactttt aggaacctct gcaggcgcat aggtgccaaa tcccaggaca ggcatgaagt gaccatcatt cagcttcaca cactgatatt tcgaatccat ttctgtcnnn nnnnnnnnn nnnnnnnnnn nnnnnnnnnn</pre>	60 120 180 240 300 360

agcaatcccg ccgagcttct ttgagacgtc ctcaggtgtc ctttgacgat gcgtcctcca ctttcacaca ctctagcatt ccttcactgg ggtcttcatt gccccacatt gggcagccag gaatgttggg gtg	420 480 493
<210> 14 <211> 540	
<212> DNA <213> Homo sapien	
<400> 14	
ccaqatggtc cataatatgt caccgagcag gtgaatggca tttgtatgtc agccttggtt	60
gtcttgtact ccagggtgga agtcatggta tagagctgag tcactgggtc catttccttt	120
ttaaaattat gaccaccgct ccttcaaggg gatgtagcac ttttccattc ctgtaccatg	180 240
tgatattgcc atctggataa ctgtcttctg aaatgcagtc acccaacttt tttagctgct ctgtttcgag aaacagtgct ttgcttacaa tttcaggttt agatggttgc ttgaacacct	300
tgactattgt aggtgcctca aacacgttgt cctcagttac tagcatgcac acaaatctct	360
tttcatcact gatccttgca ttactgatag acaaagtgta gttttctgag aggttcaatc	420
tgtctttgta ttctggtaca tcgtcgtact gcacactttt ctttgtagag gatctgaagg	480
caataaatac tggggagcca tcgggctttt catatttcca tttgcccaaa catgagattc	540
<210> 15	
<211> 421 <212> DNA	
<213> Homo sapien	
<400> 15	
tacccacctc cagcetecca tgtgageetg teettatgta tagtgtecaa eetetgatte	60
tagcagtcaa gtgtcttccc caatcctaat gtcccctgat atgtctctag cgacttgacc	120 180
atctcttgtt ccttgggact ggggccagcc tcttgtctgc ccacttccct ctcattagtc agatagcccc aaaggctcta tctttagctc ccagagaact ttttggtcct cagtatttcc	240
cttccccttt ccttcctatt ccccacact gggggaggga agggagaaca ggggcacctg	300
atcatcaatc toccotgooc ototottgaa gooccotaga tttggatgaa gagcaggoca	360
gtgagcaggg caaagcctgc taggagcaga atgaccttga ggatcctttg ctcagaactg	420
a 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	421
<210> 16	
<211> 236	
<212> DNA <213> Homo sapien	
<400> 16	
gccgtgtgtg cttttcccag tgccgaggta cctatcgctc acggccagga gcttgtcgtg	60
gctgacagca aagagctgct ctctgtgggc ctgcttcatc tcatccgaga ggccgtacaa	120
gaagtggtcc attectttgt ctgaaggagc gacaggagca tctacggttg agaagacaga	180
aagtttggct tcgtcgatgt cttgctgtgt gaattttcca gacttagccc agtcga	236
<210> 17 <211> 424	
<212> DNA	
<213> Homo sapien	
<400> 17	60
ccagaaaggt gacagtggtt ttccagggcc tcctgggcct ccaggtccac ctggtgaagt	60 120
cattcagcct ttaccaatct tgtcctccaa aaaaacgaga agacatactg aaggcatgca	120

agcagatgca gatgataata ttottgatta otoggatgga atggaagaaa tatttggtto ootoaattoo otgaaacaag acatcgagca tatgaaattt ooaatgggta otoagaccaa tooagoocga acttgtaaag acotgoaact cagcoatoot gacttoocag atggtgaata ttggattgat ootaaccaag gttgotoagg agattootto aaagtttaot gtaatttoac atotggtggt gagacttgca tttatocaga caaaaaatot gagggagtaa gaatttoato atgg	180 240 300 360 420 424
<210> 18 <211> 154 <212> DNA <213> Homo sapien	
<400> 18 gtcaccaact ccttcagcgc ctccacaggg stttcggaca tgacagcaac cttttctccc aggacaattg aaatttgcta aagggaaagg ggaaagaaag ggaaaaggga gaaaaagaaa cacaagagac ttaaaggaca ggaggaggag atgg	60 120 154
<210> 19 <211> 445 <212> DNA <213> Homo sapien	
<pre><400> 19 caacaaaatt ggtgaacaca tggaagaaca tggcatcaag tttataagac agttcgtacc aattaaagtt gaacaaattg aagcagggac accaggccga ctcagagtag tagctcagtc caccaatagt gaggaaatca ttgaaggaga atataatacg gtgatgctgg caataggaag agatgcttgc acaagaaaaa ttggcttaga aaccgtaggg gtgaagataa atgaaaagac tggaaaaata cctgtcacag atgaagaaca gaccaatgtg ccttacatct atgccattgg cgatatattg gaggataagg tggagctcac cccagttgca atccaggcag gaagattgct ggctcagagg ctctatgcag gttccactgt caaagtgtga ctatgaaaat gttccaacca ctgtatttac tcctttggaa tatgg</pre>	60 120 180 240 300 360 420 445
<210> 20 <211> 211 <212> DNA <213> Homo sapien	
<pre><400> 20 gggtgccact gcctgcttga aagcactttc tgaacctaca gaagttgggt attgtctgaa atcccagagg acccataagt gccggtgaca agctgtctgt caggggagag gctccagaac ctgggttcgt ccccagtgag accggaggat gatcccccaa ggactgcgca gcatcagctc ttggtgggcc tctgccttct cttctgtttg g</pre>	60 120 180 211
<210> 21 <211> 396 <212> DNA <213> Homo sapien	
<400> 21 tgcccctgta ttggattgcc acacggctca cattgcatgc aagtttgctg agctgaagga aaagattgat cgccgttctg gtaaaaagct ggaagatggc cctaaattct tgaagtctgg tgatgctgcc attgttgata tggttcctgg caagcccatg tgtgttgaga gcttctcaga ctatccacct ttgggtcgct ttgctgttcg tgatatgaga cagacagttg cggtggtgt catcaaagca gtggacaaga aggctgctgg agctggcaag gtcaccaagt ctgcccagaa	60 120 180 240 300

ageteagaag getaaatgaa tattateeet aataeetgee aeeeeaetet taateagtgg tggaagaaeg gteteagaae tgtttgttte aattgg	360 396
<210> 22	
<211> 277	
<212> DNA	
<213> Homo sapien	
<400> 22	
ggaaccatgt ggccggcgcc cttgatcgtg agaaaggcga tgtgggagaa ctccttcacg	60
aagccggcaa tetgeteece getgteeceg taetteacta accagggeeg gegetgeace	120
tocatottot ggttgaggga atocacaaac cactoatoco coatgaaatt gcaggcoatg	180
totacatoto cattatataa taggatotgg gatttotgtg agotaagoag ottoagatao	240
tgggagttca tgcttcggta gagacggcgg tactgta	277
<210> 23	
<211> 634	
<212> DNA	
<213> Homo sapien	
<400> 23 tctgaccatc catatccaat gttctcattt aaacattacc cagcatcatt gtttataatc	60
agaaactctg gtccttctgt ctggtggcac ttagagtctt ttgtgccata atgcagcagt	120
atggagggag gattttatgg agaaatgggg atagtcttca tgaccacaaa taaataaagg	180
aaaactaagc tgcattgtgg gttttgaaaa ggttattata cttcttaaca attcttttt	240
tcagggactt ttctagctgt atgactgtta cttgaccttc tttgaaaagc attcccaaaa	300
tgctctattt tagatagatt aacattaacc aacataattt tttttagatc gagtcagcat	360
aaatttctaa gtcagcctct agtcgtggtt catctctttc acctgcattt tatttggtgt	420
ttgtctgaag aaaggaaaga ggaaagcaaa tacgaattgt actatttgta ccaaatcttt	480
gggattcatt ggcaaataat ttcagtgtgg tgtattatta aatagaaaaa aaaaattttg	540
tttcctaggt tgaaggtcta attgatacgt ttgacttatg atgaccattt atgcactttc	600 634
aaatgaattt gctttcaaaa taaatgaaga gcag	634
<210> 24	
<211> 512	
<212> DNA	
<213> Homo sapien	
<400> 24	
gcaaaacaag cctaagcaag cacaacgaag agcagaagtc agtgaaatta aaaagaggaa	60
aaagaaaaat cataaaaaatc ataaaaagtt atttctttga aaagatcaat gaaatttagc	120
aagactgaca cagataaaaa ggaattagac ccaaatcagt gaacaggaat gaaatagagg	180
atatcactac agaggetgea gecattgaaa ggataattag gaaateecae agataaettt	240
gtgctcataa atttgacaat gtagaggaaa tatctttagt tttaattagc tttttatttt	300
agtttttctc aaaaactaaa acttaataaa actcaaccaa gacaaaatag acaatcagaa	360
tgtaggcata cctcagagat gtggcggatt tggtttcaga ctactgcaat aaaccaaata	420
tggcaataaa aggagtcaca gaaagtggtt tcccagtgta tatatataaa agttacattt actetatgaa gtgcaataac attttgtcta aa	480 512
aciccatyda ytycaataac attityteta da	212
<210> 25	
<211> 461	
<212> DNA	

<213> Homo sapien

<400> 25	
ctctgtttca gcacctcatt gggattattg aactcattaa attcttta ttgttcattg aaatctctag ccatttccct ggttaaacag gataatct	tt ttttttcact 120
aaagaacatt cgtggtggtt tagtgatgag gttaatattc ccctcttg	tc cacctccaca 180 ct tgaccaaagg 240
ttggaaaaac cacgttggac tgagttttga ggagcaaaga actaatca	
ggccctgtat ccccacaagc cctgggtatt tttctctcat agagagaa ggatacctga aaatgtgatt ttatatattc ttggcatcca ggggagaa	J. JJJ J
aaggaagtta cagttatctc cccagaaatt aatgggtcat gtcaagac	2
tttccttctg ttgcttgtta gaatgatgtt cttgtgggaa a	461
<210> 26	
<211> 317	
<212> DNA	
<213> Homo sapien	
<400> 26	tc agttccctct 60
tgctggagtc ggaactgctg cctttgtttg gcggccttgt ttcttaaa taggatttat tacactaaaa aaaaattagt ttttgaaaag aaatagga	3
atgaatttca cgaggctatc atctaacagt gggggctttc tacacacg	tg gtgccaaaat 180
gtgtcattct gagtcaattg caattcctct ctaggagtga aaagagat	aa aagataagcc 240
aagaaccctg gacagattct tggtgttggt gacaaagagg aaaggacc	
tggtggggag agggggg	317
<210> 27	
<211> 250	
<212> DNA	
<213> Homo sapien	
<400> 27	
taattgctgt gattattaga attctatcat gactgtattg tagttttt	gc tctattycag 60
ataagcmaga tctaagaagt tatcaaaact attctttaaa atgctaaa	
ttcttccatt attttttcct cctaccactg agttttgtaa tgaattcc gcaatacagg tgaatactaa actgttattt ttagcttctt caaaagct	at tttagaaagc 240
ttootggaaa	250
00000554444	
<210> 28 <211> 532	
<211> 332 <212> DNA	
<213> Homo sapien	
<400> 28	
cctatatcat tcatttatac agaagctgct tgctgcttag caagttgg	tg ggtttgattt 60
teettggttg etttgeagae etceettgag aggatteett etggatgg	ag atttctttgt 120
tgctgtctcc cttgccacaa ctctgaccaa gattgcattg cgctatgt	ag ctttggttca 180
ggagaagaaa aagcaaaatt cttttgttgc tgaggctatg ttgctcat	gg ctactatcct 240
gcatttggga aaatcctctc ttcctaagaa gccaattact gatgatga	tg tggatcgaat 300
ttccctgtgc ctcaaggtct tgtctgaatg ttcaccttta atgaatga	ca ttttcaataa 360 ag agaaattatc 420
ggaatgcaga cagtcccttt ctcacatgtt atctgctaaa ctagaaga ccaaaagaaa gaatctgaaa agaggaatgt gacagtacag cctgatga	
catgcaacta actgctaaga atgaaatgaa ctgcaaggaa gatcagtt	tc aq 532
catgodatoa actgodada atgadatgaa tegodaggaa gabbage	j
<210> 29	
<211> 486	
<212> DNA	

<213> Homo sapien <400> 29 ctgtttttgg acttaattaa cywttgcaag tggaaaccaa gaaataattg tagcataact 60 ctctctattg tcatgttgct tctttctgca aatatatctt acaagttaga ctttaaacct 120 ttgatctccc acaccaaaag agaaaataat atttatatgg aagtaatttt attttagtgt 180 ttgtgattta ttgtggagag caggbgttta aaaattttag aatttctttt taacaaaatc 240 aaatacattg ttaaggtaac aaagaataat tcactatttc agcatttcaa agcaacatat 300 tctacaactt caaagatatt tgcaaaaata atacaactgt tgaagttcaa atgttatgga 360 aagaaacatt agaagtatga aaagtggtac aaaaacatgt ttctttttat tctcttggat 420 atatatctat atatttagga aaatacatat atgtatgtgt atgtatatat atgtatgaaa 480 486 atatac <210> 30 <211> 240 <212> DNA <213> Homo sapien <400> 30 aagacctgag gaaggaaaac aaattggctt cctgctgaag aakcaaaata gacatttttt 60 aatgtetett gaccecagtt ecaagtteae eetgttgeet gttetteete eeacettttg 120 gggttctata actgcatccc ccacacatct ttcaccacca ccccatacat accagctctc 180 ctgttgtggg attcaggaca taggaagagt tgctgaaggc acgggtgctt ttgggattcg 240 <210> 31 <211> 233 <212> DNA <213> Homo sapien <400> 31 ccattgatgc aggatatcgg cacattgact gtgcctatgt ctatcagaat gaacatgaag 60 tgggggaagc catccaagag aagatccaag agaaggctgt gaagcgggag gacctgttca 120 tcgtcagcaa gttgtggccc actttctttg agagacccct tgtgaggaaa gcctttgaga 180 233 agacceteaa ggacetgaag etgagetate tggaegteta tettatteae tgg <210> 32 <211> 233 <212> DNA <213> Homo sapien <400> 32 60 gaggaatget ggactggagg cccctggagc cagatggcaa gagggtgaca gcttcctttc ctgtgtgtac tctgtccagt tcctttagaa aaaatggatg cccagaggac tcccaaccct 120 ggcttggggt caagaaacag ccagcaagag ttaggggcct tagggcactg ggctgttgtt 180 233 ccattgaage cgactetgge cetggeeett acttgettet etagetetet agg <210> 33 <211> 319 <212> DNA <213> Homo sapien <400> 33 ctgggcctgg atggtctagg atagccttac tcacttgcct ggcaggtgac aggctgttgg 60

ctggaattgc ttggttctcc tccatgtggc ctctccagta ggctagctca ggcttattca

120

catgatggct tcaggattcc aaagagagtg agagtagaag ctgaaagact tcttgagttc ttggcctgga actgggacta ggacagtgtc acttctgcta agttcttttg gtcagagcaa atcacaaggc tttacccaga ttcaagggat gagaaacaga ctacatgtct tgatgagggg aaccacaaag agcttgtgg	180 240 300 319
<210> 34 <211> 340 <212> DNA <213> Homo sapien	
.400. 24	
<pre><400> 34 tacagattta attcatgtta ttaacteect geettttace teeteectee teeettggea caactgecag atggatgtgg etggaagtea gaggacatte tegtgggtte gtggggeetag ggtacaaatg aceteagegt gacageaaac aggacagaga agaceagget ettaeteagg aatecaceag ecaggagaat gacaatgttg aacaceggaa ecetgatgat atetgteaca tttgtaaggt tgattteaga gteaggagtg gagacategg eagttgaett gggtgaget tgggteacag ttetgggget ggtatagagt gggeacaagg</pre>	60 120 180 240 300 340
<210> 35 <211> 170 <212> DNA <213> Homo sapien	
4400 25	
<400> 35 acatgggtcc ttcactcctc gctgagatgt tgcggcagcc ttttcttcca atgcggttgt ggcaggagaa tccacggatg taatgttttc acctttttcc ctgagggtgc tttctgagga accagycctt aagaggtggg gtcttggatt cctgacccag gcgtccggca	60 120 170
<210> 36 <211> 475 <212> DNA <213> Homo sapien	
<400> 36	
ctgtttttgg acttaattaa ccattgcaag tggaaaccaa gaaataattg tagcataact ctctctattg kcatgttgct tctttctgca aatatatctt agaagttaga ctttaaacct ttgatctccc acaccaaaag agaaaataat atttatatgg aagtaatttt attttagtgt ttgtgattta ttgtggagag caggtgttta aaaattttag aatttcttta acaaaattct aaagagaaaa taaaaaagaa atcacagtat ttacagagat aacagaatgg cttagccatg caaaacaaat aactttggtt tttccccttt tactttggtt taaatgttga ccaagattca atttttttc ctgccaaata aaacttcaat aaaagtttag aggcaaaata acgtattttc ttttttccc ataatattt atacagcatc gagtctaaga atattttatg cattt	60 120 180 240 300 360 420 475
<210> 37 <211> 246 <212> DNA <213> Homo sapien	
<400> 37	60
ccttgagctt gggccgggca ctgaggcgcc ccacatatgc tgagagcagg gggaacgcat ccaggcagcc aggggctagg acctcatgga tcagcagcaa gtccagcagg ttgtagtcag cgaaggagat ctggtctccc acaatgaagg tcttgcctcc ctggttctgg gacagcaggg tctcaaaaagg cttcagttgc ccgggcagtg ccttcacata gtcatccttg cccacctcat agttgg	120 180 240 246

<210> 38 <211> 512 <212> DNA <213> Homo sapien <400> 38 60 gctggaagtg aaatgcagat cagacccatt gtgatgtcac agaaagatgg ggacaggcca aagaaaaaag tgactttcaa ctcttcttcc atcattttta tcatcaccag tgatgaatca 120 ctgtcagttg acgacagcga caaaaccaat gggtccaaag ttgatgtaat ccaagttcgt 180 cctttgtagg aatgaagaat ggcaacgaaa gatggggcct taaattggat gccacttttg 240 300 gactttcatc ataagaagtg tctggaatac ccgttctatg taatatcaac agaaccttgt ggtccagcag gaaatccgaa ttgcccatat gctcttgggc ctcaggaaga ggttgaacaa 360 420 aaacaaattc ttttaattca acgggtgctt tacataatga aaaaaccact tgtggcacac 480 gatgggcatc taacatcatc atcttctaat gtgttggaga ttttcatttc aaatatattt 512 tttaaattac tctattttcc aaaacacgta at <210> 39 <211> 370 <212> DNA <213> Homo sapien <400> 39 ttttatgaac aagatataag gatcaaaaaa aagggtgttg atatgttttt ccaagcagag 60 atgtactcga ctctgtccta tttagccttc ccatacctga cttctaatca cttttcctgg 120 tgccctycca tctccctaac ccccctcac agggatgcct cctcccaagg ctccagaaac 180 totgaccoto goactgotgg agggagocca tgaattgotg gtoaatatog otcatootot 240 300 akactccatc ctgcgtgtgc ttcttcctac aagagctaga gaggcactga ctgataaata cctgtcacct gcccctttcc cagagggtga aactccaccc actcccactg cagaaatgaa 360 370 tcttaaatgg <210> 40 <211> 204 <212> DNA <213> Homo sapien <400> 40 60 cctqaqqqtt ttccctttaa attttcattg agttgtccat ctccagcata tagggcttca ggagcagagc agaccttgtt tttagtggtt ccatgggata aaatgggatt ggaggagcta 120 gaagaattca gggtctggtc caatctgcca gtcttcctga aatatcgaaa atacaccagg 180 204 gctgctatat cagagccacc ctgg <210> 41 <211> 447 <212> DNA <213> Homo sapien <400> 41 60 caggcagcaa ttcgtaaaga attaaatgag tacaaaagta atgaaatgga ggtacatgca tcaagcaagc acttgacaag attccacagg ccatagagat tttcttctga gaagaatttg 120 tgtttaattt tttgatacca acactgaaca ttcatcaggg aactttcctg aagttcagct 180 caagactacc ctacctgctg tgtttgtgag aagagtagga tcacacacac aggtgcaatc 240 ttgaccacac ttacctgcaa gaggagtaac cagaggacac acttccttcc ttctttggtg 300 tctgaggagt gtgaactgtt ggggtcagtt aagacccaac ataactctat cagaagaaaa 360

ctgttgtttg cctttcaacc ttgttttaca gttctgcagt gtagtggagg acgggcaacg tgcatgtgca ggctcaccac tcccagg	420 447
<210> 42	
<211> 498	
<212> DNA	
<213> Homo sapien	
<400> 42	
ctggttttgt aaaaacagtc tctttattct actgtgctga aaccctcacc aatatagaaa	60
attagattet cattgeactg aactatattt atatgeetaa gtatgtagaa gtaaaattat	120 180
ataccccaaa aggattttat cttgttgtat atattaaatg ttatttctgc atatagggtc ttttatggag aaactgatga tgataagctt aatactcact tgtttagcag catctgaatg	240
cacaaatget ttatatatet ettetgettt acagggeaaa agateagaet etgtttett	300
atagtettea caagecagee agaacteaat atteteetea etgaatteag aetttaggaa	360
acttccaaaq acattttgac cagtttggtt ggcaagaagt ttttccagag attgagacca	420
ttgcattact tcagcagcag aaagtacatc cttggacttg gaagatttca ttccagattc	480
cagatgtggg atcataga	498
<210> 43	
<211> 312	
<212> DNA	
<213> Homo sapien	
.400. 42	
<400> 43 caggaaggcg gccaagaatg tgagtgcaaa gattggttcc tgagagcccc gagaagaaaa	60
ttcatgacag tgtctgggct gccaaagaag cagtgcccct gtgatcattt caagggcaat	120
qtqaaqaaaa caagacacca aaggcaccac agaaagccaa acaagcattc cagagcctgc	180
cagcaatttc tcaaacaatg tcagctaaga agctttgctc tgcctttgta ggagctctga	240
gegeceaete ttecaattaa acatteteag eeaagaagae agtgageaea eetaeeagae	300 312
actcttcttc tc	312
<210> 44	
<211> 417	
<212> DNA	
<213> Homo sapien	
<400> 44	
ctaacacatt tactotocac tattogtact otggtagoca tgttaaccco atcagagatt	60
cetteteaag ceatgtetea gagetgagag geateeeage aagttttgea geteacagtt	120 180
ttttccgtaa attacttatt ctataaaatt ggagtaggcc ataaactttg gagggcccta	240
gaccaatttt ttggattatt tttcgtcttc tatcattccg ctgatcttag atattctctg cattaaatat taaatatcac ttctaggctg aaaaatcccc ctaaaaatat ttctagctca	300
gatttttcct ccaaattctg caatagaaga tcacaatgtg aactctgcat ctccatgtta	360
aagtetaatg gacatteaca ettageatgt etcaaagaaa teteatgtaa accatgg	417
.210. 45	
<210> 45 <211> 494	
<212> DNA	
<213> Homo sapien	
400× 4F	
<400> 45 cgcgtgtctg tggtatgtgt acacgtgcat gttctgcatg tctgtaggtc acacatgctt	60
tggtgcatgt acacgtgtgt gtgtgtatgc gtgtaggagc tcacacttgt gtacacgttt	120

gtgtgcatgc atgtgtgcag gagcttgcac gtttgtggtg ggtacatgta catatgtgag tgatcctgtg tgcaagcccc catgtggaca tggctatgag tgagcgtgga gccaaaagcc aggtacacg catgcagcag gcccactgtg cgtgtctgag acggtctgtg gcagggactg ggtgtgaatc atgcagcagg cccactgtgc gtgtctgaga cggtctgtgg cagggactgg gtgtgaatca gtgaccgtgt ctctgaccaa catgctgaat tacaaattga taatttatta acctgtgcag caacaaataa gatttttcaa aactcaacaa agtgctcaaa gttgacatta cttgcttcaa agtt	180 240 300 360 420 480 494
<210> 46 <211> 516 <212> DNA <213> Homo sapien	
cagtecaac etgeteeta ttattgtata aatgageaga atetatatgg eggaaceeag ettetattge taattttgtg acetecaaag etttaettet eggaacetee teetttggee gteatttgat eatteaacte tttgteagtg geaacteeeg etattttggt gtgttegtt gttaetacac agtgageaca aacatggtgg teeaatacag aggetettee tgteaggtg teaaceagaaa gtteatetaa eactgtgata tttgeateet teettgaacag ttgttggetg aggeteeteeg eegageteet ttgagaegte etcaggtgte etctgaegat gegteeteea ettteacaca etetageat eetteactg ggtetteatt geeceacatt gggeageeag gaatgttggg gtgateagac acaacaccag gteatg	60 120 180 240 300 360 420 480 516
<210> 47 <211> 459 <212> DNA <213> Homo sapien	
ccaattcaga gtggcattct gcatttctgt ggcttccaag tcttagaacc tcaactgaca tatagcattg ggcacactcc agcagacgcc cgaattcaaa tcctggaagg atggaagaaa cgcctggaga atatttggga tgagacacca ctgtattttg ctccaagcag cctctttgac ctaaacttcc aggcaggatt cttaatgaaa aaagaggtac aggatgagga gaaaaacaag aaatttggcc tttctgtggg ccatcacttg ggcaagtcca tcccaactga caaccagatc aaagctagaa aatgagattc cttagcctgg atttccttct acaactgttat caaatctggg tatctttcca ggcttccctg acttgcttta gtttttaaga tttgtgtttt tcttttcca caaggaataa atgagagga atcgaksaaa aaaaaaaaa	60 120 180 240 300 360 420 459
<210> 48 <211> 430 <212> DNA <213> Homo sapien	
<pre><400> 48 cctatattca gccacagcct ctgggagtgg tgctgataat cggagcttgg aattacccct tcgttctcac cattcagcca ctgataggag ccatcgctgc aggaaatgct gtgattataa agccttctga actgagtgaa aatacagcca agatcttggc aaagcttctc cctcagtatt tagaccagga tctctatatt gttattaatg gtggtgttga ggaaaccacg gagctcctga agcagcgatt tgaccacatt ttctatacgg gaaacactgc ggttggcaaa attgtcatgg aagctgctgc caagcatctg acccctgtga ctcttgaact gggagggaaa agtccatgtt atattgataa agattgtgac ctggacattg tttgcagacg cataacctgg ggaaaaataca tgaattgtgg</pre>	60 120 180 240 300 360 420 430

<210> 49 <211> 288 <212> DNA <213> Homo sapien				
<pre><400> 49 ccatccgaag caagattkca gatggcagtg agctttggwg caattcccat cgaccagagt aaaatcttca attggattat gttgacctct caggtgagga agtgatccca aaagatgaaa tctgtgccac gtgggaggcc rtggagaagt</pre>	tggtccgacc accttattca atggaaaaat	agccttggaa ttttccagtg actatttgac	aggtcactga tctgtaaagc	60 120 180 240 288
<210> 50 <211> 411 <212> DNA <213> Homo sapien				
<pre><400> 50 ccagagaatg acattcatgt ccccgtggat accagtggtg atggaaagca ctgtcttctt agcgtaagtg taagcaaact ctcctatgaa agggactcca aaccactgca gggggaactg cttttgttca gccacaatat ctgggctcag ggcaggatac tgaaagttcg cagggtcctt gatgggattg aagttcatgg catagaggtc</pre>	actccggaag cactcgctca gaatatcaca atggccttct cagtttacct	ggtcctttgt aaccagcctt aggtctgcgg ttataagcca gtgatgtcct	catacatggc tcagaatggc cttccagctt gaacagactc ttctggaaat	60 120 180 240 300 360 411
<210> 51 <211> 503 <212> DNA <213> Homo sapien				
<pre><400> 51 gatatcttat gattaaaaac aaattaaatt ttgtgcaccc tccacaaaac atacaaagtt tcagttgtaa ataatgaatt aggggccaaa tagttagtaa tttctagttt gaactgtaat atattgtact tttttcatta ttgatggttt taatatccca gaagtgagac aatttgaaca acagaagtga atgcttatat atattatgat actgtcaaat aattataacc ttttaaagca ggtaaacact gatgcaatta aga</pre>	taaaagtttg atgcaaaacg tgaatattgt ggactttaat gtgtattcta agccttaaac	gatcttttc aaaaatgaag ggcttcatat aagagaaatt gaaaacaata cttttcctc	tcagcaggta cagctacatg gtattatttt ccatagtttt cactaactga taatgcctta	60 120 180 240 300 360 420 480 503
<210> 52 <211> 503 <212> DNA <213> Homo sapien				
<pre><400> 52 gatatcttat gattaaaaac aaattaaatt ttgtgcaccc tccacaaaac atacaaagtt tcagttgtaa ataatgaatt aggggccaaa tagttagtaa tttctagttt gaactgtaat atattgtact tttttcatta ttgatggttt taatatccca gaagtgagac aatttgaaca</pre>	taaaagtttg atgcaaaacg tgaatattgt ggactttaat	gatcttttc aaaaatgaag ggcttcatat aagagaaatt	tcagcaggta cagctacatg gtattatttt ccatagtttt	60 120 180 240 300 360

acagaagtga atgcttatat atattatgat agccttaaac ctttttc	ectc taatgcctta 420
actgtcaaat aattataacc ttttaaagca taggactata gtcagca	tgc tagactgaga 480 503
ggtaaacact gatgcaatta aga	303
<210> 53	
<211> 531	
<212> DNA	
<213> Homo sapien	
<400> 53 tttttttttt tttttaaaat gaggatattt tattatttca ggtaatt	ttc ccagaggkga 60
gaatagtaca tgggaaattc tctttaggcc aggtctagta ttacagk	gtg gkgctcaagg 120
cogoccatca gaacagtgat actotoccaa cagatttcat ccacco	egte tecaetaaet 180
tttgccataa aaattcctct gaattgtatc ttcttggaag aagtaaa	itat ctgttcgact 240
atacaaagaa acagagaaac cactcccatt gcaatcaatc ttcaaga	igag ggagcaggca 300
agccqtqttc tttctgctga gttttataga ctctgacaag ctgtgaa	ata aacataaaca 360
qaaqacaaaa cagtgccaca aataagcagt agatgaccct gtgacaa	igac ggcattgcag 420
aacaaagact gacgtttaaa ggggagtcat gcagagtaac atgggaa	acac aagcctgaca 480
acctggtcag cttccactta ctctagctcc tttgaactct caacact	caaa a 531
.010. 54	
<210> 54 <211> 450	
<212> DNA	
<213> Homo sapien	
<400> 54	
ccatgggtgt ctggagcwcc ctgaaactgt atcaaagttg tacatat	ttc caaacatttt 60
taaaatgaaa aggcactctc gtgttctcct cactctgtgc actttgc	stgt tggtgtgaca 120 stgg taactatggt 180
aggcatttaa agatgtttct ggcattttct ttttatttgt aaggtggtatttggctag aaatcctgag ttttcaactg tatatatcta tagtttg	gtaa aaagaacaaa 240
acaaccgaga caaaccettg atgeteettg eteggegttg aggetgt	agg gaagatgeet 300
tttgggagag gctgtagctc agggcgtgca ctgtgaggct ggacctg	ttq actctqcaqq 360
gggcatccat ttagcttcag gttgtcttgt ttctgtatat agtgaca	atag cattetgetg 420
ccatcttagc tgtggacaaa ggggggtcag	450
<210> 55	
<211> 648	
<212> DNA	
<213> Homo sapien	
<400> 55	
caacttcaac cacaggetge tggasatgat cetearcaag eeaggge	ctca agtacaagcc 60
tgtctgcaac caggtggaat gtcatcctta cttcaaccag agaaaac	ctgc tggatttctg 120
caaqtcaaaa gacattgttc tggttgccta tagtgctctg ggatcco	cacc gagaagaacc 180
atqqqtggac ccgaactccc cggtgctctt ggaggaccca gtccttt	tgtg ccttggcaaa 240
aaagcacaag cgaaccccag ccctgattgc cctgcgctac cagctro	cagc gtggggttgt 300
ggtcctggcc aagagctaca atgagcagcg catcagacag aacgtgo	cagg tgtttgaatt 360 aatg tgcgatattt 420
ccagttgact tcagaggaga tgaaagccat agatggccta aacagaa	
gaccettgat attittgetg geeceectaa ttatecatti tetgatg	3
agggcattgc atgaggtctg ccagaaggcc ctgcgtgtgg atggtgatctatgctgg tgactggaca catcgcctct ggttaaatct ctcctg	3 33 33
caagctacag caaagcccat tggccggaaa aaatatcaag ggtcaa	
caayeeacay caaageeeac eggeeggaaa aaacaccaag ggeeaa.	

<211> 536 <212> DNA <213> Homo sapien <400> 56 60 ctggcatgag aatattttt tttttaagtg cggtagtttt taaactgttt gtttttaaac aaactataga actcttcatt gtcagcaaag caaagagtca ctgcatcaat gaaagttcaa 120 gaacctcctg tacttaaaca cgattcgcaa cgttctgtta ttttttttgt atgtttagaa 180 tgctgaaatg tttttgaagt taaataaaca gtattacatt tttaaaactc ttctctatta 240 taacagtcaa tttctgactc acagcagtga acaaaccccc actccattgt atttggagac 300 tggcctccct ataaatgtgg tagcttcttt tattactcag tggacctgcc cgggcggccg 360 420 ctcgaagccg aattccagca cactggcggc cgttactagt ggatccgagc tcggtaccaa gettggeegt aatcatggte atagetgttt eetgtgtgaa attgttatee geteacaatt 480 ccacacaaca tacgagccgg aagcataaag tgtaaagcct ggggtgccta atgagt 536 <210> 57 <211> 391 <212> DNA <213> Homo sapien <400> 57 aggaactact gtcccagagc tgaggcaagg ggatttctca ggtcatttgg agaacaagtg 60 ctttagtagt agtttaaagt agtaactgct actgtattta gtggggtgga attcagaaga 120 aatttgaaga ccagatcatg ggtggtctgc atgtgaatga acaggaatga gccggacagc 180 ctggctgtca ttgctttctt cctccccatt tggacccttc tctgccctta catttttgtt 240 totocatota coaccatoca coagtotatt tattigiota gitggatito atticitotg 300 360 gaaaatttat tgtttattgg catgtgaccc ttgactgatg gcttcattag cattytgttt 391 ttctttttgg atccttaata gaaaactcaa t <210> 58 <211> 455 <212> DNA <213> Homo sapien <400> 58 gaagacatge ttactteece tteacettee tteatgatgt gggaagagtg etgeaaceea 60 gccctagcca acgccgcatg agagggagtg tgccgagggc ttctgagaag gtttctctca 120 catctagaaa gaagcgctta agatgtggca gcccctcttc ttcaagtggc tcttgtcctg 180 240 ttgccctggg agttctcaaa ttgctgcagc agcctccacc cagcctgagg atgacatcaa tacacagagg aagaagagtc aggaaaagat gagagaagtt acagactctc ctgggcgacc 300 360 ccgagagett accattecte agaettette acatggtget aacagatttg tteetaaaag taaagctcta gaggccgtca aattggcaat agaagccggg ttccaccata ttgattctgc 420 455 acatgtttac aataatgagg agcaggttgg actgg <210> 59 <211> 398 <212> DNA <213> Homo sapien <220> <221> misc_feature <222> (1)...(398) <223> n = A,T,C or G

<pre><400> 59 ctcagaggca gcgtgcgggt gtgctctttg tgaaattcca ccatggcgt ggtcagaaag tgcagaaggt tatggtgcag cccatcaacc tcatcttca aatagatcgc ggattcaggt gtggctctat gagcaagtga atatgcgga atcattggtt ttgatgagta tatgaacctt gtattagatg atgcagaag aaaacaaagt caagaaaaca actngntcgg atcatgctaa aaggagata ctacaaagtg tctccaacta gaaatgatca atgaagtgag aaattgttg gtttgttttt agatgtcctt tgtccaatgt gaacattt</pre>	ag atacttacaa 120 at agaaggctgt 180 ga gattcattct 240 aa tattactctg 300
<210> 60 <211> 532 <212> DNA <213> Homo sapien	
<pre><400> 60 gacttctgag acctggggca cccgggcctt tgcggcagct actggcagc tcataggact cagttccctt ctgaacactc gggggacatg ggcctctag gatatgcctg ggtgagccta ggagggaagg ctctgatttg gatttctcg acagaaaaaa acctggcact ttgattttca tgggatggtc ctaacaggg cgagcagttt gggaacccag tttcttgtcc tgggccctca ggtcagcct gacccttcct tggcacaggg gtgagaaaga gcttggggaa cgcttggca tggaagggc tcaaccccga tttggagaa agtttgggat ggagtggga agagcgagca ggaaaagagg tcttggagcc tgggactgat ggtggataa aasatgacsa ggaggaggag agagggaagt gggtggatga ggagcagga</pre>	ac tgcccactct 120 ca gtcaaagctc 180 gt cagtcacctc 240 cg gctgaattag 300 at tatggagggc 360 cg agagattgag 420 ag gcctggaaag 480
<210> 61 <211> 466 <212> DNA <213> Homo sapien	
cggacggga cgtctcttt gactaaaaga cagtgtccag tgctccagg cggggaccgc ctcccgcgcc gccaccatgc ccaacttctc tggcaactg gatcggaaaa cttcgaggaa ttgctcaaag tgctgggggt gaatgtgal ttgctgtggc tgcagcgtcc aagccagcag tggagatcaa acaggaggg acatcaaaac ctccaccacc gtgcgcacca cagagattaa cttcaaggl ttgaggagca gactgtggat gggaggccct gtaagagcct ggtgaaatg ataaaatggt ctgtgagcag aagctcctga agggagaggg ccccaagaa gagaactgac caacgatggg gaactgatcc tgaccatgac ggcgga	gg aaaatcatcc 120 tg ctgaggaaga 180 ga gacactttct 240 tt ggggaggagt 300 gg gagagtgaga 360
<210> 62 <211> 548 <212> DNA <213> Homo sapien	
<pre><400> 62 ttttgaattt acaccaagaa cttctcaata aaagaaaatc atgaatgc acataccaca agagaagtta atttcttaac attgtgttct atgattat caccaagttc tgatatcttt taaagacata gttcaaaatt gcttttga ttgaaaatat ccttgttgtg tattaggttt ttaaatacca gctaaagg agtcatcagt accctcctat tcagctccc aagatgatgt gtttttgc aggttttctt cttatttta gataattcaa gtgcttagat aaattatg gtttatggta aactctttta aagaaaattt aatagttat agctgaat tttaaatctt tatcatagac tctgtacata tgttcaaatt agctgctt</pre>	tt gtaagacctt 120 aa atctgtattc 180 at tacctcactg 240 tt accctaagag 300 tt ttctttaagt 360 ct ttttggtaac 420

tatcatcggt gggatgacag aacaaacata tttatgatca tgaataatgt gctttgtaaa aagatttc	540 548
<210> 63	
<211> 547	
<212> DNA <213> Homo sapien	
C2137 Nome Support	
<400> 63 tttccaaagc ggagacttcc gacttcctta caggatgagg ctgggcattg cctgggacag	60
cctatgtaag gccatgtgcc ccttgcccta acaactcact gcagtgctct tcatagacac	120
atcttgcagc atttttctta aggctatgct tcagtttttc tttgtaagcc atcacaagcc	180
atagtggtag gtttgccctt tggtacagaa ggtgagttaa agctggtgga aaaggcttat	240
tgcattgcat tcagagtaac ctgtgtgcat actctagaag agtagggaaa ataatgcttg	300
ttacaattcg acctaatatg tgcattgtaa aataaatgcc atatttcaaa caaaacacgt	360
aatttttta cagtatgttt tattaccttt tgatatctgt tgttgcaatg ttagtgatgt	420
tttaaaatgt gatcgaaaat ataatgcttc taagaaggaa cagtagtgga atgaatgtct	480 540
aaaagatett tatgtgttta tggtetgeag aaggattttt gtgatgaaag gggatttttt gaaaaat	547
<210> 64	
<211> 528 <212> DNA	
<213> Homo sapien	
<220>	
<221> misc_feature	
<222> (1)(528)	
$\langle 223 \rangle$ n = A,T,C or G	
<400> 64	
cacctmetee esecwggege ttwetesgae geettgeeca segggeegee egaceceetg	60
srccatggac cccgctcgcc csctggggmt gtygatkctg ctgcttttcc tgrckgaggc	120
tgcactgggc gatgctgatc argagccaac aggaaataac rcggagatct gkctcctgcc	180
cctagactac kgaccctgcc kggccctact tytccgytac tactacgaca ggyacacgca	240 300
gagetgeege ewgtteetgk rekggggetg erasggeaae recaaewatt yetacaeekg kgaggmttre gaekatgetw gstggargat agaaaaagtt eecaaasttt geeggetgma	360
agtgaatgag gacnaccagg gtgaggggta cacagataag tatttcttta atctaakkwc	420
catgacatgw gaaaaattct ttnncggtgg gngtcaccgg accggattga gaacangttt	480
gcagatgang ctactgggat gggctcctgc rcacnaaaga aantatca	528
<210> 65	
<211> 547	
<212> DNA	
<213> Homo sapien	
<220>	
<221> misc_feature	
<222> (1)(547)	
$\langle 223 \rangle$ n = A,T,C or G	
<400> 65	
kgaatgaasa acgaacgctg gaagtagaaa tagagcctgg ggtgagagac ggcatggagt	60 120
acccetttat tggagaaggt gagceteaeg tggatgggga geetggagat ttaeggttee	120

gaatcaaagt tgtcaagcac ccaatatttg aaaggagagg agatgatttg tacacaaatg tgacagtctc attagttgag tcactggttg gctttgagat ggatattact cacttggatg gtcacaaggt acatatttcc cgggataaga tcaccaggcc aggagcgaag ctatggaaga aaggggaagg gctccccaac tttgacaaca acaatatcaa gggctctttg ataatcactt ttgatgtgga ttttccaaaa gaacagttaa cagaggaagc gagagaangt atcaaacagc tactgaaaca agggtcagtg cagaaggtat acaatggact gcaaggatat tgagagtgaa taaaattgga ctttgttaa aataaagtga ataaagcgata tttattatct gcaaggtttt ttttgtg	180 240 300 360 420 480 540
<210> 66 <211> 535 <212> DNA <213> Homo sapien	
caacagtgg ataaaatatt ttgataaaaa agettgaage caactgcaagtg gaagatetg gaactaagtg ataaaagtat tetteetga cattgaaaa agettgage ctgagaaga cectgaagtg geagaateg gaacttagag gatgettete aatgeaagaa agagaatet ttgaaagaa caatttgage cttcaagaa agagactac ttaaaaatat ttgataaaaa agagactac ttaaaaatta ttgaaagaa caattgaagaa caatttgage cttcaagaaa agetgaaaa teetagaagta tetteetgaa caattgaaga caattgaaga caattgaaaa aactgaaaaa teetagaaga ttaaaaga gaacaaaatt tagaaaaatat teetagaaaa aactgaaaaa teetagaaaa gaacaagaa caattgaaaaa gaacaagaa caattgaaaaa gaacaacaa teetagaaaa gaacaaaaatt tagaaaaaatat teetagaaaa aactgaaaaa aactgaaaaa teetagaaaa gaacaataaga taaaaaatat taaaga aactgaaaaa aactgaaaaa taaagaa taaaaaatat taaagaa aactgaaaaa aactgaaaaa taaagaaaaaatt taaagaa	60 120 180 240 300 360 420 480 535
<210> 67 <211> 527 <212> DNA <213> Homo sapien	
<pre></pre>	60 120 180 240 300 360 420 480 527
<210> 68 <211> 431 <212> DNA <213> Homo sapien	
<pre><400> 68 gggaaacttc atgggtttcc tcatctgtca tgtcgatgat tatatatgga tacatttaca aaaataaaaa gcgggaattt tcccttcgct tgaatattat ccctgtatat tgcatgaatg agagatttcc catatttcca tcagagtaat aaatatactt gctttaattc ttaagcataa gtaaacatga tataaaaata tatgctgaat tacttgtgaa gaatgcattt taaatgtgtt tttatttgta agacattact tattaagaaa ttggttatta tgcttactgt tctaatctgg tggtaaaggt attcttaaga atttgcaggt actacagatt ttcaaactg aatgagaaa aattgtataa ccatcctgct gwtcctttag tgcaatacaa taaaactctg</pre>	60 120 180 240 300 360 420

aaattaaaac t	431
<210> 69 <211> 399	
<212> DNA	
<213> Homo sapien	
<400> 69	
gacacggcgg acacacacaa acacagaacc acacagccag teccaggage ecagtaatgg	60 120
agagececaa aaagaagaac cageagetga aagtegggat eetacacetg ggeageagac	180
agaagaagat caggatacag ctgagatccc agtgcgcgac atggaaggtg atctgcaaga gctgcatcag tcaaacaccg gggataaatc tggatttggg ttccggcgtc aaggtgaaga	240
taatacctaa agaggaacac tgtaaaatgc cagaagcagg tgaagagcaa ccacaagttt	300
aaatgaagac aagctgaaac aacgcaagct ggttttatat tagatatttg acttaaacta	360
tctcaataaa gttttgcagc tttcaccaar aaaaaaaaa	399
212 72	
<210> 70 <211> 479	
<212> DNA	
<213> Homo sapien	
400 70	
<400> 70 cgcggcggag ctgtgagccg gcgactcggg tccctgaggt ctggattctt tctccgctac	60
tgagacacgg cggacacaca caaacacaga accacacage cagteccagg agcecagtaa	120
tggagagccc caaaaagaag aaccagcagc tgaaagtcgg gatcctacac ctgggcagca	180
gacagaagaa gatcaggata cagctgagat cccaggtgct gggaagggaa	240
tggaaggtga tetgeaagag etgeateagt caaacacegg ggataaatet ggatttgggt	300 360
teeggegtea aggtgaagat aatacetaaa gaggaacaet gtaaaatgee agaagcaggt	420
gaagagcaac cacaagttta aatgaagaca agctgaaaca acgcaagctg gttttatatt aggatatttg acttaaacta tctcaataaa gttttgcagc tttcaccaaa aaaaaaaa	479
aggatating actualation recoduction goods goods and an arrangement	
<210> 71	
<211> 437	
<212> DNA <213> Homo sapien	
(213) Homo Saptem	
<400> 71	60
ctcagcggct gccaacagat catgagccat cagctcctct ggggccagct ataggacaac	120
agaactetca ecaaaggaee agacaeagtg rgeaceatgg gacagtgteg gteageeaae geagaggatg eteaggaatt eagtgatgtg gagagggeea ttgagaeeet eateaagaae	180
tttcaccagt actccgtgga gggtgggaag gagacgctga ccccttctga gctacgggac	240
ctggtcaccc agcagctgcc ccatctcatg ccgagcaact gtggcctgga agagaaaatt	300
qccaacctqq gcagctgcaa tgactctaaa ctggagttca ggagtttctg ggagctgatt	360
ggagaagcgg ccaagagtgt gaagctggag aggcctgtcc gggggcactg agaactccct	420
ctggaattct tgggggg	437
<210> 72	
<211> 561	
<212> DNA	
<213> Homo sapien	
<400> 72	
ggatggtata ctgtaaattc agcatatgga gataccatta tcataccttg ccgacttgac	60
gtacctcaga atctcatgtt tggcaaatgg aaatatgaaa agcccgatgg ctccccagta	120

tttattgcct tcagatcctc aaagacagat tgaacctctc gatgaaaaga gatttgtgtg atagtcaagg tgttcaagca	agaaaactac catgctagta accatctaaa	actttgtcta actgaggaca cctgaaattg	tcagtaatgc acgtgtttga taagcaaagc	aaggatcagt ggcacctaca actgtttctc	180 240 300 360
gaaacagagc agctaaaaaa	gttgggtgac	tqcatttcag	aagacagtta	tccagatggc	420
aatatcacat ggtacaggaa	tggaaaagtg	ctacatcccc	ttgaaggagc	ggtggtcata	480
attttaaaa aggaaatgga	cccagtgact	cagetetata	ccatgacttc	caccctggag	540
tacaagacaa ccaaggctga		J - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -	J	02 0	561
Lacaayacaa ccaayyeeya	C				
<210> 73					
<211> 73					
<211> 910 <212> DNA					
	an				
<213> Homo sapie	±11				
<400> 73					
ggagaaaata aggtggagtc	ctacttqttt	aaaaaatatq	tatctaaqaa	tgttctaggg	60
cactctggga acctataaag	gcaggtattt	caaaccctcc	tcttcaggaa	tcttcctgaa	120
gacatggccc agtcgaaggc	ccaggatggc	ttttactaca	accccataga	gtaggagga	180
cagagagaca gggagagtca	gcctccacat	tcagaggcat	cacaaqtaat	ggcacaattc	240
ttcggatgac tgcagaaaat	agtatttat	agttcaacaa	ct.caagacga	agcttatttc	300
tgaggataag ctctttaaag	gcaaagcttt	attttcatct	ctcatctttt	gtcctcctta	360
gcacaatgta aaaaagaata	gtaatatcag	aacaggaagg	aggaatggct	tactagggag	420
cccatccagg acactgggag	cacatagaga	ttcacccatq	tttgttgaac	ttagagtcat	480
tctcatgctt ttctttataa	ttcacacata	tatgcagaga	agatatgttc	ttottaacat	540
tgtatacaac atagccccaa	atatagtaag	atctatacta	gataatccta	gatgaaatgt	600
tagagatget atatgataca	actataacca	taactaagaa	aaggaggt.ca	cacccagaga	660
ctgggctgct ctcccggagg	actytygeta	gaetgagga	caaagtcagg	ct.cagggaga	720
ctctgccctg ctgcagacct	gggtgtggg	acacactaca	tagagetete	cttgaaaaca	780
gaggggtctc aagacattct	cggtgtggac	taggttttgt	ttattttt	aactttttgg	840
ggggaaaagt atttttgaga	geetacetat	agettetet	tataaatadt	aaataaagtt	900
-	agtitigitett	gcaacgcacc	cacaaacage	addeddagee	916
tttaccatta aaaaaa					310
<210> 74					
<211> 74					
<211> 547 <212> DNA					
<213> Homo sapi	en				
(213) Nome 33P-					
<400> 74					
agtggcatta acttttagaa	tttgggctgg	tgagattaat	tttttttaat	atcccagcta	60
gagatatggc ctttaactga	cctaaagagg	tgtgttgtga	tttaattttt	tcccgttcct	120
ttttcttcag taaacccaac	aatagtctaa	ccttaaaaat	tgagttgatg	tccttatagg	180
tcactacccc taaataaacc	tgaagcaggt	gttttctctt	ggacatacta	aaaaatacct	240
aaaaggaagc ttagatgggc	tgtgacacaa	aaaattcaat	tactgtcatc	taatgccagc	300
tottaaaagt gtggccactg	agcatttgat	tttataggaa	aaaatagtat	ttttgagaat	360
aacatagctg tgctattgca	catctgttgg	aggacatccc	agatttgctt	atactcagtg	420
cctgtgatat tgagtttaag	gatttgaggc	aggggtaatt	attaaacata	ttgcttctat	480
tottggaaaa atagaagkgt	aaaatgttaa	taatacaaat	gtcactgtga	cctcctccac	540
tgagagg	<u> </u>		- •		547
-343433					
<210> 75					
<211> 793					
<212> DNA					
<213 Homo sani	en				

<213> Homo sapien

<400> 75					
tgaggaagtt gcaagccaac	aaaaaaqttc	aaggatctag	aagacgatta	agggaaggtc	60
gttctcagtg aaaatccaaa	aaccagaaaa	aaatgtttat	acaaccctaa	gtcaataacc	120
tgaccttaga aaattgtgag	agccaagttg	acttcaggaa	ctgaaacatc	agcacaaaga	180
agcaatcatc aaataattct	gaacacaaat	ttaatatttt	tttttctgaa	tgagaaacat	240
qaqqqaaatt gtggagttag	cctcctgtgg	agttagcctc	ctgtggtaaa	ggaattgaag	300
aaaatataac accttacacc	ctttttcatc	ttgacattaa	aagttctggc	taactttgga	360
atccattaga gaaaaatcct	tgtcaccaga	ttcattacaa	ttcaaatcga	agagttgtga	420
actgttatcc cattgaaaag	accgagcctt	gtatgtatgt	tatggataca	taaaatgcac	480
gcaagccatt atctctccat	gggaagctaa	gttataaaaa	taggtgcttg	gtgtacaaaa	540
ctttttatat caaaaggctt	tgcacatttc	tatatgagtg	ggtttactgg	taaattatgt	600
tatttttac aactaatttt	gtactctcag	aatgtttgtc	atatgcttct	tgcaatgcat	660
attttttaat ctcaaacgtt	tcaataaaac	catttttcag	atataaagag	aattacttca	720
rattgagtaa ttcagaaaaa	ctcaagattt	aagttaaaaa	gtggtttgga	cttgggaaca	780
ggactttata cct					793
<210> 76					
<211> 461					
<212> DNA					
<213> Homo sapie	en				
<400> 76					
accttgcact attcccctca	gtccatctat	cgaggtcttt	gcaggaagca	tactgggaat	60
tgaaacgaga gcctaaatga	catctaagaa	aggcagtgtt	caataccagg	tattaggtga	120
ggatgggatt ctaaggacat	cagtgggagg	cagggagcca	ccttcagacc	tcagcatgga	180 240
agcttccaag atccagagga	agaggcaaca	gcactgagag	cataggtag	tagaaataat	300
acagccctgc taaccaggca	gctgatgccc	ctctcccctg	gereeergra	tagagagaga	360
acaggggcat ctgttggctg	aactcaacct	tagagagaga	tetagaaaa	cacacacac	420
caacatttat agagctcagg				cacacaggag	461
acacctggca taaccaaaaa	atgattadaa	aaaaaaaaaa	a		101
<210> 77					
<211> 642					
<212> DNA					
<213> Homo sapie	en				
<400> 77			++~~ <u>+</u> ++	220000220	60
ggttgcacga aacacactgg	ggaatggagc	aaaacagtct	ttgaatateg	tastassass	120
gctgtgagac tacctattgt	agatattgca	ttataaaga	anatatatat	gaccaagaa	180
tttggtgtgg acgttggccc caaaaaaaat ttaactccat	tgtttgettt	cttattata	tottotoacc	cantacaaat	240
gaccgacaaa attccagtta	tttatttaga	aaatatttaa	aaacactata	atttgacaaa	300
gaaaaatgat acttctcttt	ttttactatt	ccaccaaata	caattcaaat	actttttatt	360
ttatttttt accaattcca	atttcaaaat	atctcaataa	tgctataata	aataaacttc	420
aacactcttt atgataacaa	aaaaaarawa	wattetttga	atcctagccc	atctgcagag	480
caatgactgt gctcaccagt	aaaagataac	ctttctttct	gaaatagtca	aatacqaaat	540
tagaaaagcc ctccctattt	taactacctc	aactggtcag	aaacacaqat	tgtattctat	600
gagtcccaga agatgaaaaa	aattttatac	qttqataaaa	ct	-	642
gageeeaga agaegaaaa		J J == = ======			
<210> 78					
<211> 519					
<212> DNA	on				
<213> Homo sapi	en				

<400> 78 gcagaagaag aagcggacct to gctggacatg toctacgagc ag	ccgcaagtt cacctaccgc gctgatgca gctgtacagt	ggcgtggacc gcgcgccagc	tcgaccagct ggcggcggct	60 120
gaaccggggc ctgcggcgga ag ggaggcgccg cccatggaga ag cctacccgag atggtgggca go	gcagcactc cctgctgaag gccggaagt ggtgaagacg catggtggg cgtctacaac	cgcctgcgca cacctgcggg ggcaagacct	aggccaagaa acatgatcat tcaaccaggt	180 240 300 360
ggagatcaag cccgagatga to cgtaaagcat ggccggcccg go gtaatggctc agctaataaa ag gccaccgcgg gggagctcca ct	catcggggc cacccactcc ggcgcacat gactccaaaa	tecegettea	tccctctcaa	420 480 519
<210> 79 <211> 526 <212> DNA <213> Homo sapien				
<pre><400> 79 gtctggaggc ggtgtcctct cc ggtcacagcc tgatctctta tc cctgaatgtg ttcctctagt tc gtttgcccag aggcacttgt tc ttggcattct aagctaaagc tt gagctgttgc cagcctcgtc aa tttgttaagt ggtgcgcgtc ta atggaaaggg gtaacttttg tc gccagatgat ctttgattag gc</pre>	gtgttcata gccattcgct ctagaaaat gaccactaat ccagaattt ccctcctgc ttagcttcc caattcgtga aatatggaa gagaaacaac atctcataa ctagatgtac gcttccaaa gtagctaagc	ttaaaaaact ttcagccatg tgtgctaggc ctgcggtcaa caaccaggga agaagtgggg	aactgtttgt cggttgtgag tccttgtcac caagattcgg aagggagtga agggccaagg	60 120 180 240 300 360 420 480 526
<210> 80 <211> 281 <212> DNA <213> Homo sapien				
<pre><400> 80 gttatattag tgggtagtgt as tagcaagtgg tgacactaaa ta ccgtagcaat gaaggataca gs atatttgggt gtgtatgttt ga tttaagagaa agcagctttt to</pre>	accattttg aaggctgatg tactgtgtt gtgggtgagt aggctatga aacacgcagg	tgtatataca gttgctattg agtgtttttg	tcattactgt cccagcatta	60 120 180 240 281
<210> 81 <211> 405 <212> DNA <213> Homo sapien				
<220> <221> misc_feature <222> (1)(405) <223> n = A,T,C o				
<pre><400> 81 gtgggtggga gcgcgtgctg t tagcaaaccg agcgatcatg t aggagtttga statcgacat g cccatctgat gtctgaatct g</pre>	cgcacaaac aaatttacta tcatgctgc ccaaggacat	ttcggacaaa akccaasctg	tacgacsacg gtccctaaaa	60 120 180 240

gtccattata tgatccatga ncca cccaanaaac caamgaaatg aacc vhtgaccttc cttcctaaca ttct	ttggct actacttttc	aatcctcaaa	scccacttac kcttttcaca	300 360 405
<210> 82 <211> 547 <212> DNA <213> Homo sapien				
<pre><400> 82 tagttttaa gaagaaattt tttt gttaatcata taataatgat tctt catttacata atatagaaag atat aaaattctca attcagagaa atca aaaacaatac cctatgtagt tgtg ctaaatgttc tgcctaccct gttg aaaaaaatca tgcattctta gcaa tttgatttta tgcactttgt cgct gagtaatttt agaagcatta tttt ttctatg</pre>	aaatgc tgtatggttt gcatat atctagaagg tctgat gtttctatag gaagtt tatgctaata gtataa agatattttg aattgc ctagtatgtt attaac atccttttt	attatttaaa tatgtggcat tcactttgcc ttgtgtaact agcagactgt aatttgctca tcatgtagat	tgggtaaagc ttatttggat agctcaaaag gatattaaac aaacaagaaa aaatacaatg ttcaataatt	60 120 180 240 300 360 420 480 540
<210> 83 <211> 529 <212> DNA <213> Homo sapien				
<pre><400> 83 ctattctaag agatgctctt agtg tggtgattaa ggatattgaa agag agccagttgc tcatattgac caat aggaggtcaa tttaaatggt tctg gaaaaacagt tacaattgtt gttg gctccattca tgatgcccta tgtg caggaggtgg tgctccagaa atag tgagtggtat ggaatcctac tgcg ctacactagc tgaaaatgcc cggg</pre>	gaagaca ttgaattcat ttactg ctgacatgct ggcaaac tgctcaagat ggtggtt ctaacaaact gttattc gttgtttagt gagttgg ccctacgatt gttcgtg cttttgcaga	ttgtaagaca gggttctgct tacaggctgt ggtgattgaa gaagaagagg aactgaatat tgctatggag	attggaacca gagttagctg gccagccctg gaagctgagc gctcttattg tcacgaacac	60 120 180 240 300 360 420 480 529
<210> 84 <211> 527 <212> DNA <213> Homo sapien				
<pre><400> 84 cccatcacca gaatcccttc atgg ggactgacgc tggggtggta tctt acgaaagaac aattttaaa aagt ctaaaagttt tgggactcgt gctg gttttgacat tgtgatagaa ggct gagttccgac tgtccctgtg gtgg cgtgtactcg ttctataaaa atgg gcatcccctc tgtcctgtct ctct cactggactt ccaggaatca agga</pre>	ccatcag agctattgta ccctct tttcaatcaa gttatca agtacaatga ctgaata cggaggaaag ggaatcc agtctgggaa gaatctg ttctgcaggt cgctgct gggacccagg	agtcatccaa gccaatgtcc aaatggcttt atgtcgctgg agcaggactg taccgtccct gctttttcag	aaggettetg tattttattt ataaataget agetagteet ttttageaaa ceeegeecaa	60 120 180 240 300 360 420 480 527

<211> 401 <212> DNA <213> Homo sapien <400> 85 60 cagtgtggtg gaattcccaa gatagaaatg aaaaactctt ttatagagtg ctgacatctg acattgagaa attcatgcct attgtttata ctcccactgt gggtctggct tgccaacaat 120 atagtttggt gtttcggaag ccaagaggtc tctttattac tatccacgat cgagggcata 180 240 ttgcttcagt tctcaatgca tggccagaag atgtcatcaa ggccattgtg gtgactgatg gagagcgtat tettggettg ggagacettg getgtaatgg aatgggeate eetgtgggta 300 aattggctct atatacagct tgcggaggga tgaatcctca agaatgtctg cctgtcattc 360 401 tggatgtggg aaccgaaaat gaggagttac ttaaagatcc a <210> 86 <211> 547 <212> DNA <213> Homo sapien <400> 86 60 gaagcctctt gtgtttgtgt gcagagaagt atatgatcca ccatgctaat gacacttgcc tttttttcca ccattaaggc tttaagaaca tgtggaataa gttttttagc tgctaatgac 120 aaaacaaatc ctgtaactac ccagccagca agtatatagc acagaacact gtgttacttt 180 acaagggctt atgtgactgg aataaggtgg tcccacttga ctgttccaaa gagcagcttc 240 tcagatcttc agtgttcact ggtaaatttc taacagtgta tttgtgtaaa gtttgtcatt 300 tcatactcca tacactacag ttgctgtcac tgatccctgt tttgctggct tttaagctac 360 420 ttggtcaaaa atcctgcttc cttaaaacat agagaattaa tgagcatctc aagctttttc 480 ttttcctttt taatgatgcc tgcactatca agagtattct agtgttctct ctttgtttgg 540 catataatca tgcaccaaac tttttatttc tttaaggtgg gagtatattt ttatttccta 547 aatgcca <210> 87 <211> 530 <212> DNA <213> Homo sapien <400> 87 atggattcga aataccagkg tgtgaagctg aatgatggtc acttcatgcc tgtcctggga 60 tttggcacct atgcgcctgc agaggttcct aaaagtaaag ctctagaggc cgtcaaattg 120 gcaatagaag ccgggttcca ccatattgat tctgcacatg tttacaataa tgaggagcag 180 gttggactgg ccatccgaag caagattgca gatggcagtg tgaagagaga agacatattc 240 tacacttcaa agctttggag caattcccat cgaccagagt tggtccgacc agccttggaa 300 aggtcactga aaaatcttca attggactat gttgacctct atcttattca ttttccagtg 360 tctgtaaagc caggtgagga agtgatccca aaagatgaaa atggaaaaat actatttgac 420 acagtggatc tctgtgccac rtgggaggcc atggagaagt gtaaagatgc aggattggcc 480 aagtccatcg gggtgtccaa cttcaaccac aggctgctgg agatgatcct 530 <210> 88 <211> 529 <212> DNA <213> Homo sapien <400> 88 acctgageta agaaggataa ttgtettttg gtaactaggt etacaggttt acattttet 60 gtgttacact caaggataaa ggcaaaatca attttgtaat ttgtttagaa gccagagttt 120

atctttcta taagtttaca gcctttttct tatatataca gttattgcca cctttgtga catggcaagg gacttttta caatttttat tttattttct agtaccagcc taggaattc gttagtactc atttgtattc actgtcactt tttctcatgt tctaattata aatgaccaa atcaagattg ctcaaaaggg taaatgatag ccacagtatt gctccctaaa atatgcata agtagaaatt cactgccttc ccctcctgtc catgaccttg ggcacaggga agttctggt tcatagatat cccgttttgt gaggtagagc tgtgcattaa acttgcacat gactggaac	g 240 a 300 a 360 g 420 g 480
<pre>aagtatgagt gcaactcaaa tgtgttgaag atactgcagt catttttgt <210> 89 <211> 547 <212> DNA <213> Homo sapien</pre>	529
<pre><400> 89 gtttatatat atagcgaata aatctagttg tataaatttt taaatgccgt cagtagaaa cacacaaggt tatgattttt ttaattactg gcttctgatt tctttcactt ctgatcctt tccttttct cagatgtagc tgagtcttga tcattttaag acaacgatgg gtagaattt gagattaatg ttaattttcc ctttttgtta atttcagtcc cctctcacta tgcttttgt cagaaggatc aagaattcta ccatcccttg ggtctttgtg tataaacaat ggtagactca gtctttaaga tattagacag tttttttagt ccatgggatt gtaaatata acattaactt tcctataaga atattttggc tttgtaatct atagcctcaa attggtatt attatggatt cactagacaa acagctgttt ccttattgtc ttttttcttt agtgtttct atttgctatc agtagctgtt tttaaagcca tccaaggaaa ataattatt aagtcac</pre>	t 120 t 180 c 240 a 300 a 360 t 420 g 480
<210> 90 <211> 528 <212> DNA <213> Homo sapien	
<pre></pre>	t 120 t 180 ta 240 tt 300 ta 360 tt 420
<210> 91 <211> 547 <212> DNA <213> Homo sapien	
<400> 91 atataccatt taatacattt acactttctt atttaagaag atattgaatg caaaataat gacatataga actttacaaa catatgtcca aggactctaa attgagactc ttccacatg acaatctcat catcctgaag cctataatga agaaaaagat ctagaaactg agttgtgga ctgactctaa tcaaatgtga tgattggaat taraccmttt ggscyttgra ccttymtwo raaaawgrmc cmacctttyt taacmtgrac cwccytmatc tctagaagct gggatggac tactatyctk gttwatattt taaatackga aaggtgctat gcttctgtta ttattccaa actggagata ggcagggcta aaaaggtatt attattttc ctttaatgat ggtgctaaa	gt 120 ag 180 cg 240 ct 300 ag 360

ttcttcctat aaaattcctt aaaaataaag atggtttaat cactaccatt gtgaaaacat	480 540
aactgttaga cttcccgttt ctgaaagaaa gagcatcgtt ccaatgcttg ttcactgttc ctctgtc	547
<210> 92 <211> 527	
<212> DNA	
<213> Homo sapien	
<220> <221> misc feature	
<222> (1)(527)	
<223> n = A, T, C or G	
<400> 92	60
gctggctagt aggggaacat gtagtagcca agcccatgca ttgcagtgca cagagcaaca ttggggtaac aggatgggta cctgtcacgg cctgtgcaaa cataacatgt gtcaccacac	120
tgaaggtatg gtggaacaag tggcctcacc aaggtcggac cccaatggac tttttgcctc	180
ttgggagett atgggtetat gaggaeacag tageetttee tateageaaa etggagtgga	240 300
tgttgtatct gggggtggcc ttatgtacct gctactgttc tccccacatt gcccagatgc ctgtataact gggaggcact gkgctctcag tttttgcgaa tgtgatgagc cccctggtgt	360
ttctaccctt ttggcaatga ctatccctgg agncatgtgt caaaactgta aagcacaatt	420
tactgetett tgeggageac accgeteatg etetgaatta cacetgaktg teceteetee	480 527
wgktawtgaa tgaggttgat cnvatcagaa adgtggkgtt ggcmata	32,
<210> 93	
<211> 531 <212> DNA	
<213> Homo sapien	
<400> 93	
ggtattcata cagcetteet aaaggeaatg etttecacag gatttaagat accecagaaa	60 120
ggcatcctga taggcatcca gcaatcattc cggccaagat tccttggtgt ggctgaacaa ttacacaatg aaggtttcaa gctgtttgcc acggaagcca catcagactg gctcaacgcc	180
aacaatgtcc ctgccacccc agtggcatgg ccgtctcaag aaggacagaa tcccagcctc	240
tottocatca gaaaattgat tagagatggo agcattgaco tagtgattaa cottoccaac	300
aacaacacta aatttgtcca tgataattat gtgattcgga ggacagctgt tgatagtgga	360 420
atccctctcc tcactaattt tcaggtgacc aaactttttg ctgaagctgt gcagaaatct cgcaaggtgg actccaagag tcttttccac tacaggcagt acagtgctgg aaaagcagca	480
tagagatgca gacaccccag ccccattatt aaatcaacct gagccacatg t	531
<210> 94	
<211> 547	
<212> DNA <213> Homo sapien	
<220> <221> misc feature	
<222> (1)(547)	
$\langle 223 \rangle$ n = A,T,C or G	
<400> 94	
gttaaacatg gtctgcgtgc cttaagagag acgcttcctg cagaacagga cctgactaca aagaatgttt ccattggaat tgttggtaaa gacttggagt ttacaatcta tgatgatgat	60 120
aayaatytti teattyyaat tyttyytäää yätteyyäyt teataateea tyätyätyät	

gatgtgtctc cattcctgga aggtcttgaa	gaaagaccac	agagaaaggc	acageetget	180
caacetgetg atgaacetge agaaaagget	gatgaaccaa	tggaacatta	agtgataagc	240
cagtctatat atgtattatc aaatatgtaa	gaatacaggc	accacatact	gatgacaata	300
atctatactt tgaaccaaaa gttgcagagt	ggtggaatgc	tatqttttaq	gaatcagtcc	360
agatgtgagt tttttccaag caacctcact	gaaacctata	taatggaata	catttttctt	420
tgaaagggtc tgtataatca ttttctagaa	agtatoggta	totatactaa	tottttata	480
tgaagaacat aggtgtcttt gtggttttaa	agacaactot	gaaataaaat	tatttcacca	540
	agacaaccgc	gaaacaaaac	egeeeeaeeg	547
cctggtn				347
<210> 95				
<211> 1265				
<212> DNA				
<213> Homo sapien				
<400> 95				
gtggtcaagc agtgattttt ctgggactgc	agaagtteet	actataccca	acctttatta	60
gtygttaagt agtgatttt etgggdeege	tagaagtcata	attotacata	cagaactcat	120
ctaactggga aagacccagg gagactggga	aggereats	attatacata	aactaactct	180
ccaagaaagg aggaaaagct gatttttgtg	aacgccgcca	accepted	aaccaaccec	240
caggcacatt agtcagaaaa tactacctat	ggttactece	ceaggileel	tataataat	
ctttagaggc caccaaattg gcaattgaag	ctggcttccg	ccatattgat	tetgeteatt	300
tatacaataa tgaggagcag gttggactgg	ccatccgaag	caagattgca	gatggcagtg	360
tgaagagaga agacatattc tacacttcaa	agctttggtg	caattcccat	cgaccagagt	420
tggtccgacc agccttggaa aggtcactga	aaaatcttca	attggattat	gttgacctct	480
accttattca ttttccagtg tctgtaaagc	caggtgagga	agtgatccca	aaagatgaaa	540
atggaaaaat actatttgac acagtggatc	tctgtgccac	gtgggaggcc	gtggagaagt	600
gtaaagatgc aggattggcc aagtccatcg	gggtgtccaa	cttcaaccgc	aggcagctgg	660
agatgatect caacaageca gggeteaagt	acaagcctgt	ctgcaaccag	gtggaatgtc	720
atccttactt caaccagaga aaactgctgg	atttctgcaa	gtcaaaagac	attgttctgg	780
ttgcctatag tgctctggga tcccaccgag	aagaaccatg	ggtggacccg	aactccccgg	840
tgctcttgga ggacccagtc ctttgtgcct	tggcaaaaaa	gcacaagcga	accccaqccc	900
tgattgccct gcgctaccag ctrcagcgtg	agattataat	cctggccaag	agctacaatg	960
agcagcgcat cagacagaac gtgcaggttt	ttgagttcca	attaactaca	gaggacatga	1020
agccataga tggcctaaac agaaatgtgc	gatatttgac	ccttgatatt	tttactaacc	1080
aageeataga tygeetaaat agaaatgege	aacataaaaa	gcattgcatg	addtctdcca	1140
cccctaatta tccattttct gatgaatatt	aacacggagg	atactacta	ctggccgcca	1200
gaaggccctg cgtgtggatg gtgacacaga	ggatggetet	acyclygiga	aggacatag	1260
cgcctctggt taaatctctc ctgcttggtg	attteageaa	getacageaa	ageceating	1265
ccaga				1265
<210> 96				
<211> 568				
<212> DNA				
<213> Homo sapien				
<400> 96				
ccagtgtggt ggaattcggt ttaattacaa	aatttgatca	cgatcatatt	gtagtctctc	60
aaagtgctct agaaattgtc agtggtttac	atgaagtggc	catgggtgtc	tggagcaccc	120
tgaaactgta tcaaagttgt acatatttcc	aaacattttt	aaaatgaaaa	ggcactctcg	180
tgttctcctc actctgtgca ctttgctgtt	ggtgtgacaa	ggcatttaaa	gatgtttctg	240
gcattttctt tttatttgta aggtggtggt	aactatggtt	attggctaga	aatcctgagt	300
tttcaactgt atatatctat agtttgtaaa	aagaacaaaa	caaccgagac	aaacccttga	360
tgctccttgc tcggcgttga ggctgtgggg	aagatgcctt	ttgggagagg	ctgtagctca	420
gggcgtgcac tgtgaggctg gacctgttga	ctctgcaggg	ggcatccatt	tagetteagg	480
ttgtcttgtt tctgtatata gtgacatagc	attetector	catcttagct	gtggacaaag	540
			5-55	568
gggggtcagc tggcatgaga atattttt				203

<210> 97 <211> 546 <212> DNA <213> Homo sapien	
ttgtacegta tetgtaggea teetgtaaat aatteeaagg ggaaaactaa aegaggaegt gggttgtate etgeeaggt gagtggget eacaegetag ggtgagatgt eagaaagege ttgtattta aacaaceaaa aagaattgta agggtggett getgeeagge ttgeetggg gtgtgeatet tegggaaagg tggtggegg gegteeacta ggttteetgt eecetgetge teetteegta agaaaatgaa atattetatg eetaataete aeaegeaaea tttettgtae tttgtaagte gtttgegaga atgeagaeaa eeteactaaa etgtaaaegg taaagagatt tttaettttg gteteegtga gtegeatete taetaaggtt taeaeggaa tteeaectga agaettgtgt taaagtteta eagegegeae tgttaaetga aegtettttt etteageeta taegeggate ettgttttga geteteagaa teaeteagae aacattttgt aaetge	60 120 180 240 300 360 420 480 540
<210> 98 <211> 547 <212> DNA <213> Homo sapien	
<pre></pre>	60 120 180 240 300 360 420 480 540
<210> 99 <211> 122 <212> DNA <213> Homo sapien	
<400> 99 cagcetttet gteateatet ceaeageeea eccateeeet gageaeaeta aceaeeteat geaggeeeea eetgeeaata gtaataaage aatgteaett ttttaaaaea aaaaaaaaa aa	60 120 122
<210> 100 <211> 449 <212> DNA <213> Homo sapien	
<400> 100 ctgacggctt tgctgtccca gagccgccta aacgcaagaa aagtcgatgg gacagttaga ggggatgtgc taaagcgtga aatcagttgt ccttaatttt tagaaagatt ttggtaacta ggtgtctcag ggctgggttg gggtccaaag tgtaaggacc ccctgccctt agtggagagc	60 120 180

tggagcttgg agacattacc ccttcatcag aaggaatttt cggatgtttt cttgggaagc tgttttggtc cttggaagca gtgagagctg ggaagcttct tttggctcta ggtgagttgt catgcgggta agttgaggtt atcttgggat aaagggtctt ctagggcaca aaactcactc taggtttata ttgtatgtag cttatatttt ttactaaggt gtcaccttat aagcatctat aaattgagtt ctttttctta gttgtatgg	240 300 360 420 449
<210> 101 <211> 131 <212> DNA <213> Homo sapien	
<400> 101 ccatgttete tettgaetae geatatgtga gatttgeece teegeecege tegtgatage catecagate ttttacetgg ceetgtettg gagaatetgt tttcaatete caetgattge ceeettgetg g	60 120 131
<210> 102 <211> 199 <212> DNA <213> Homo sapien	
<400> 102 ctgctgcgcc tgatgctggg acagccccgc tcccagatgt aaagaacgcg acttccacaa acctggattt tttatgtaca accctgaccg tgaccgtttg ctatattcct ttttctatga aataatgtga atgataataa aacagctttg acttgaaaaa aaaaaaaaa aaaaaaaaa aaaaaaaaa	60 120 180 199
<210> 103 <211> 321 <212> DNA <213> Homo sapien	
<pre><400> 103 ttttttaggt ttttaaactt tttatttgca tattaaaaaa attgtgcatt ccaataatta aaatcatttg aacaaaaaaa aatggcactc tgattaaact gcattacagc ctgcaggaca ccttgggcca gcttggtttt actctagatt tcactgtcgt cccacccca cttctttcac cccacttttt ccttcaccaa catgcaaagt ctttccttcc ctgccaccca gataatatag acagatggga aaggcaggcg cggccttcgt tgtcagtagt tctttgatgt gaaaggggca gcacagtcat ttaaacttga t</pre>	60 120 180 240 300 321
<210> 104 <211> 309 <212> DNA <213> Homo sapien	
<pre><400> 104 ttttttttt tttttatttt tttttttgca tcaaaaaact ttatttccat ttggcccaag gcttgttagg atagttaaaa aagctgccta ttggctggag ggagaggctt aggcaaaacc cctattactt tgcaaggggc ccttcaaaag tctctgggct tctatttcaa ccgcgatgat gtggctctgg aaggcgtgag ccactttttc cgggaactgg ccaaggaaaa gcccgagggc tacaaccgtt tcctgaaaat gcaaaaccag cggggcggcc gcgctctttt ccaggacatc aaaaagcca</pre>	60 120 180 240 300 309

<211> 591 <212> DNA <213> Homo sapien	
cttatttctg catgggtcgg agagtgggcg ggactgcttt actgagttat agtgaatgta gttttaacct aagcgcctca catgactaac tcctcatcca tcaagaatga gctcagctct cacttcccca ctcctcaccc ccctgtaaag taacctttct ccaaggttat gcttcaacag gaatagctaa catttatta attgtggcac gtaagtatct tggatatatt ggctcattga atcctcacac ctactattt acagagatgc cagtggggct tgagattgaa tcacttgccc aggctcccac tgctggtaaa cagtagaggg ggctcctgac ccatcagtct ggcttgacaa cccattccct caactgcgga tcccggattc ccttatcacc ctgttgattt ctccataggc tgtggtaaca tttgttgcat gaatggaccg ttgaaatagg gcctggcagg gagaaattca ggaaatgaat gaatggttct tccctggcag cctttgatga cttacaagcc ggaaagccat ttttctccct gggactcctt gaaagccgg gagccctgcc t	60 120 180 240 300 360 420 480 540
<210> 106 <211> 450 <212> DNA <213> Homo sapien	
<pre><400> 106 ctgccactcc tgcctctgct accccgaaac cggagaggga gctcaataat aacacaggtc ccactaaact aattaaggtg ttggcataac ctgtcattga attcaagtgt ccaacaactg tttgcttaaa atatcattag acctaatatt tttttcaaag gcacaaagtt taaacatggg gggggcggt gttgagaggg gtctgggata cccttaaacc caaaaaagtg atttgtccc ccttgcccag aagggtgact gttccactgg gcctgtcacc acaggacatt ttccatgaca agcactcacc ttcttgggga agggcatca ggttggcaca ggaaaggccc aagtgagggg ccactctgta cattaatact ttggtgatta atgtttgggg agaggcagga ttctcaccca cctttttgac ttcaaacact ctcactcaag</pre>	60 120 180 240 300 360 420 450
<210> 107 <211> 116 <212> DNA <213> Homo sapien	
<pre><400> 107 tcgacgaaag ttactgtcac tcagttgtaa atccatcagc ttttcacctg ttaaaaattt tgcaaaatat acatgttctc ctcctgtttt caattcttcc atctttttc ttgagg <210> 108</pre>	60 116
<pre><400> 108 ctgctcgaag ttgtcaaaac ccacgtgcag ggcaatggag agtccgatgg ccgaccacag cgagtagcgt cctcccaccc aatcccagaa ctcgaacatg ttttgagggt caattccaaa ctccttcact ttggttgtgt tagtagacag ggcaacaaag tgcttcgcca ctgcagtagg atccttggcc gcctggagaa accactcctt cgccgtctct gcattcgtga tggtctcctg ggtagtaaag gtcttggagg caatgatgaa cagggaggac tcggggttca g <210> 109 <211> 662</pre>	60 120 180 240 291

<212> DNA <213> Homo sapien <400> 109 60 getgttteca cagtacgeet geeteacace ttgegatgeg ecaacateae cateattgag caccagaagt gtgagaacgc ctaccccggc aacatcacag acaccatggt gtgtgccagc 120 180 gtgcaggaag ggggcaagga ctcctgccag ggtgactccg ggggccctct ggtctgtaac 240 cagtetette aaggeattat eteetgggge caggateegt gtgegateae eegaaageet 300 ggtgtctaca cgaaagtctg caaatatgtg gactggatcc aggagacgat gaagaacaat 360 tagactggac ccacccacca cagcccatca ccctccattt ccacttggtg tttggttcct gttcactctg ttaataagaa accctaagcc aagaccctct acgaacattc tttgggcctc 420 480 ctggactaca ggagatgctg tcacttaata atcaacctgg ggttcgaaat cagtgagacc tggattcaaa ttotgoottg aaatattgtg actotgggaa tgacaacaco tggtttgtto 540 tetgttgtat ceccageece aaaagacage teetggaeet tgeecegggg eggeeegete 600 ggaaaggggg cgaaatttct tcaagaatat ttccatttcc acaaacttgg ggccgggggc 660 662 <210> 110 <211> 323 <212> DNA <213> Homo sapien <400> 110 tectgtgaaa cageecattt teetaeetae tgtgggttge tgeteaggag gaacgatata 60 cgccaataca agcaggaaat ctgcagctcc tctgctatgt gcctcagaac actttcaatt 120 tttctggtca atgctctgat taggtatcat acataaaagc cagcatatta gtttaaatct 180 ctaacaaaaa actatatttt ccaaagtcat tatcatttgg gccaattaag tgatcttttc 240 300 gtgctttgtt gagcttcatc tttagggcat ctcttctttc ttcccattca tgaagttcgg 323 catttccatg tgcaaattta cag <210> 111 <211> 336 <212> DNA <213> Homo sapien <400> 111 60 tccagtgcgc tccagcctta tctaggaaag gaggagtggg tgtagccgtg cagcaagatt ggggcctccc ccatcccagc ttctccacca tcccagcaag tcaggatatc agacagtcct 120 cccctgaccc tcccccttgt agatatcaat tcctaaacag agccaaatac tctatatcta 180 tagtcacagc cctgtacagc atttttcata agttatatag taaatggtct gcatgatttg 240 tgcttctagt gctctcattt ggaaatgagg caggcttctt ctatgaaatg taaagaaaga 300 336 aaccactttg tatattttgt aataccacct ctgtgg <210> 112 <211> 218 <212> DNA <213> Homo sapien <400> 112 ttttttttt tttttttt tccagtcagg agtattttta atcactgtct acagagacac 60 120 ctacatacac acacgggtgg ggaatgaacc caaagttttt aggtgaagtc tctcagggcc 180 caccccgtgc cacagacctt cctcggttgc agagattctg ggcaaagcat ccgtgctctc 218 atgagattat cctggggaga tttagaagaa ttttgtgg

<210> 113 <211> 533 <212> DNA <213> Homo sapien <400> 113 ctgcaccgac agttgcgatg aaagttctaa tctcttccct cctcctgttg ctgccactaa 60 tgctgatgtc catggtctct agcagcctga atccaggggt cgccagaggc cacagggacc 120 gaggccaggc ttctaggaga tggctccaga aaggcggcca agaatgtgag tgcaaagatt 180 ggttcctgag agccccgaga agaaaattca tgacagtgtc tgggctgcca aagaagcagt 240 300 gcccctgtga tcatttcaag ggcaatgtga agaaaacaag acaccaaagg caccacagaa 360 agccaaacaa gcatcccaga gcctgccagc aatttctcaa acaatgtcag ctaagaagct ttgctctgcc tttgtaggag ctctgagcgc ccactcttcc aattaaacat tctcagccaa 420 gaagacagtg agcacaccta ccagacactc ttcttctccc acctcactct cccactgtac 480 ccaccctaa atcattccag tgctctcaaa aagcatgttt ttcaagatct aaa 533 <210> 114 <211> 261 <212> DNA <213> Homo sapien <220> <221> misc_feature <222> (1)...(261) $\langle 223 \rangle$ n = A,T,C or G <400> 114 60 ccatatctgc tcggcgctac ttctttcttg gattgatcct gantgatgca ttggcgatgc ctttggagaa ggacatgtga tgtgatggtc ttcacgttcc acatgtactc gggcaaatag 120 ggggacaaac tgaagttaaa caggtcgaaa ctagaggagc tgctgaccct ggagctgacc 180 actttcttgg ggaaaaggac acatgaaggt gctttgcaaa agctgatgag caatctggac 240 261 accaacatag gacaacaacg t <210> 115 <211> 267 <212> DNA <213> Homo sapien <400> 115 60 cctctcctgt gggttccaga ccctgttcca gcaacaattg ctgggacacc tgggccgact getecacete gecaggeest ggeestetes atsteagess tgacagesas ccagtgataa 120 acacagcagg cttcctaagc aatgtgacgc accagagggg tggtggtaca cgttcccctt 180 gaagtcatct gaaaattaga gaacagattt gcctcatagc tgaagagaga ccctattcca 240 267 agcatgaatg gccttgacaa tgttcct <210> 116 <211> 239 <212> DNA <213> Homo sapien <400> 116 60 ctgatgacct ggggtctagt gaaaatgcag ggtcagattc agtgggtctg gggtctgaat 120 ctctaaggcg ctgccaagtg atgctgatgc tcctggcttg tggaccaccc tgtgtatagc aaagctctag actaggaggt ctcaaccttg gctgcacaga attatctggg gagtttttaa 180

atttcccagt gcccaggctg cattcatatc	atagtagaga	cagggttttg	ccatgctgg	239
<210> 117 <211> 168 <212> DNA <213> Homo sapien				
<400> 117 aaaaaacttt tatattgctg catcttccac ttgtaggagt tgtagactac ctaaattttt gtaggtaaag aaggaaacag acaagaaaat	aagttatgga	tttgttcata	aacttaaaat ggttgtaggg	60 120 168
<210> 118 <211> 150 <212> DNA <213> Homo sapien				
<pre><400> 118 aaaaaaaaga gtttatttag aaagtatcat ttttcttgga atacaagact cgtgatgcaa gttgtgcttc tctaggaggt tgggttttt</pre>	agtgtaaaca agctgaagtg	aacaaattgt tgtgtacaag	accactttga actcttgaca	60 120 150
<210> 119 <211> 154 <212> DNA <213> Homo sapien				
<pre><400> 119 aaactgtgtg agatattaac cagccgccct ttacaccgat taacaccccc ttttatattt ttttcatctc tcttgtcttt ttttgttttt</pre>	tttcaaatac	caggaaatcc actgagaaaa	aaacagcgat taatcaaacg	60 120 154
<210> 120 <211> 314 <212> DNA <213> Homo sapien				
<pre><400> 120 ctgcgtggag tgacgggagg agggaatcac tccaaaataa ttttcacccc tctaagcatg taaaaaatca atttgagctc atttcgaata gccacgtttc ctttaatgat gctgactctt ctcagacttt acaggcattt tccgtaattc ggtgattcga gaat</pre>	taaattcaaa cagaacaagt gtatcacaca	gatggatect atggcacaga ggccagcatg	tcatagaaat tggaagtcct aagtttctta	60 120 180 240 300 314
<210> 121 <211> 601 <212> DNA <213> Homo sapien				
<pre><400> 121 aaaaaaaacc taattcattg aagtaataac attcaaatct tacaccattt gccccttcta agagtttttt tttcttgatt aattggatgt</pre>	tgaatttatg	tataaaattt	tttaagagtc	60 120 180

gttttcttcc ttttagagtt gatctctcta atgtattaga tcttcatgcc tttgage tctctggaat aagtttgcag aaaaaacttc agcatgtgcc aggaacacaa cctcagaggtat tgtacaatca catttgacgt accaggaaat gcaaaggaag aacatggagggtcata aggctgaagg gattggtgtc aatcaacgac aaatcacaac aagtggaggtgtc catgaggtct gtgatctgga ggagactcca gtgagctgga aatcgatgg ggagactcca gtgagctgga aggatggagagaaca aatcgattgg tcctcattgg cagaaattta gataaggata tccttgg	ccttg 300 cttaa 360 tgcat 420 attgt 480 gacac 540
<210> 122 <211> 486 <212> DNA <213> Homo sapien	
<pre><400> 122 ctgtttctaa ttgcttttgt gactgttacc ttttagttca tgcccccca aagag tttcacattt ttacctacaa aattgatttt taattcctgc aaataattta ccattc ctacaaggtg ggcaacagcg cctgaggatc taattttatg catattactc ccaag taacacttgt tggagaagca atatctggat caataaaaca ctgtcccatc aacca gtggggagag ggagaagctc ttctgtaagt aagattctgg caagctcttt gaaat ttctttccca cagattttct ctactcttc aatacaaca gataggagaa gaggg aaacctggag gaacttgaat atttttgttc tagatagaga tacagttatt gaaaac cctagaaagt agtcacacgt cgcttattta ggccagaagt aattgtactg ggcaa tcactt</pre>	atgag 120 tattt 180 tttga 240 gagtc 300 aatag 360 ggaaa 420
<210> 123 <211> 239 <212> DNA <213> Homo sapien	
<400> 123 ctggtgggtc tttttttcct ctcagagctc aagcctgtag tgcctgatgt cattt aagttgccca cagtatctcc acttaaacta ggctagtaac caaaataatg tggac ttaggaaaca gtgtgggaga ataggagtcc agccgtaaga taaactggaa atatt gtcttgtacc tggctacgca ccacctcagt gttgttccta cataaacaag gcccc <210> 124	cttct 120 tgggc 180
<211> 610 <212> DNA <213> Homo sapien	
<220> <221> misc_feature <222> (1)(610) <223> n = A,T,C or G	
<pre><400> 124 ccanccaagt cnttgatgat cactgacccn cgcgcgcctg ctggaccaag gtggc ggaaatcgcc acngngcttt cggttttctt ggtgaaggaa tacaccgcgc cgaca ttttcagtca gggtcaggga ctgttgcttg cgcgcgaaaa tcaccggtac gccga aggccggtca tgatcgccgg tgcaatgccc gaggcttcga tggtgacgat cttgg cccgaatcct tgaacaacgc agcgaattca tcaccgatca gtttcatcag cgccg atctggtggt tcagaaaggc gtcgaccttg agtacctgat cggaaagcac gatgc tcgcgaattt tcttgtgcag tgcttccacg aaagcttcct ctgttggcgc aacac</pre>	gcagg 120 ggttc 180 tgatg 240 ggtcg 300 ecttct 360

gaaagtagat taaaaagtag tegattetag egetttaaca tegegegtat ateegeeagg geggtattge egegaaegge titgaetteg gitggtgtgt egicgtigee titeceatgee aggicateeg geggeagtie gicaaggaae eggetggggg cacaateaat gatetegeeg taetgetige	480 540 600 610
<210> 125 <211> 196 <212> DNA <213> Homo sapien	
<400> 125 ctatagggct cgagcggccg cccgggcagg taaaaaatca gcccctaatt tctccatgtt tacacttcaa tctgcaggct tcttaaagtg acagtatcct taacctgcca ccagtgtcca ccctccggcc cccgtcttgt aaaaagggga ggagaattag ccaaacactg taagctttta agaagaacaa agtttt	60 120 180 196
<210> 126 <211> 247 <212> DNA <213> Homo sapien	
<400> 126 aaattagtta aaaaaatgca ttcctcattt gatatagcca cattccaaat gcttaaaagc cgcatgtatc tagtgactac catactggag agtacaaata tagaacttta cccgtcactg cagacagttc tgttggattg tgcagcattg gacaatatat acagtttgcc tgtatatgag aaagagagag agagagaga tgtgtgtg	60 120 180 240 247
<210> 127 <211> 590 <212> DNA <213> Homo sapien	
cetecaegge atggegeaat tgttgtteag gggeegeeag gttgetgee atgeegatgt agatacgtte caegtgetta etegeeagae geactegaag egtegeeage getaegtttg egettgetge caetgetgeg gegaegettt ttegggeeat egeeggtge ttegeetttg etgetgaget etttgateat etegeggege tggetgtegt tggegteetg gtagteggte eaceactege caaggeegge ggttgteeg eeggegettt eaceacaetege eggaageegg ggttgteeag eacaeggteg eacegtttge eggeaggege teetgeatgt eccagatte aeggategge geaegtttge eggeggeggetggetggegggggggggg	60 120 180 240 300 360 420 480 540 590
<210> 128 <211> 361 <212> DNA <213> Homo sapien	
<400> 128 ctgcccatgg aaaccctcca ggagctgctg gacctgcaca ggaccagtga gagggaggcc attgaagtct tcatgaaaaa ctctttcaag gatgtaacca aagtttccag aaagaattgg agactctact agatgcaaaa cagaatgaca tttgtaaacg gaacctggaa gcatcctcgg	60 120 180

attattgctc ggctttactt aagg gaatttattc taagccagga ggcc caaagtacta tcgggagcct cgga t	ataatc tcttcattca	gaaaacagaa ga	aactgaagg 300
<210> 129 <211> 546 <212> DNA <213> Homo sapien			
<pre><400> 129 aaaaatacaa attcagtaag actt caaaaaagta tccagtgttt cttt cacattttaa cagtatgctt ttct gtgggatcca atgtgtttga tatg tttataaatg gatcagctcc tgca tctctcaaca tttcaattat tttt gacagaaagt tgggaatagt ctgc ctatatgaac ttggaattat tgga taatagtgtt atgcagaaaa tatg tcattt</pre>	tettat gaagatataa tttgta gggaaaggag ttgtge ettggtatte gaagta aacagcagag ettttt ttagcagtte etatta teataettgg aataat aaaataaggg	taaaacacag ta atatggctat gg catggtttat ta gactaactta ca acttcaatgg cg ggcttgctac ag gctgtggagg tg	attggtaag 120 tctaacatc 180 aaaactgca 240 ataaccatc 300 tggaaacta 360 ttatcagtt 420 tgatattat 480
<210> 130 <211> 733 <212> DNA <213> Homo sapien <220> <221> misc_feature <222> (1)(733) <223> n = A,T,C or G			
<pre><400> 130 ggggcctctt cctaaaggca ctaa actttcaaag acaccacatc ctaa ttttgggggg acacaaacat tcac caagactcac attgtctaag ttat aacagtccag cttcatgagt ggag gtcagtgtcc tcaaccaggg caca gtggtgagga acaggggctc tgga tctgcacatg actgcatttg aaaa ctagcggaga gttcccagag ggtg gttatagatg gaagtcagac actt gaaggatgga naaagcatgc caac cttttatncc tacaactagt ggac actttttctg ggg</pre>	tgccat cacatcagaa ctcata gcattcattg ttgact tttgagtccg aacagc atttgtgaca gcatca tggaccagag gcaacc ccacttccct gggctt cactgga agaagcaaag ctgcct gaagtacttt tactca naaaaccaca	tttaggette at ttettgtta te cagatgtgaa acaccaaag te getgetttgta te getgaaggag te getattettt geacacactee aggtgtteaag es	acatatgaa 120 tggcaaagc 180 acagtgcta 240 acctctgtg 300 cacagagga 360 atggggggt 420 gcacttgag 480 tttcactca 540 cagtcttaa 600 aatggtatc 660
<210> 131 <211> 305 <212> DNA <213> Homo sapien <220> <221> misc_feature			

<222> (1)...(305) <223> n = A, T, C or G<400> 131 aaacacatac gaatanttna actgtgatta tgaagtgaca gccggctaaa tatgtcttgt 60 120 attttctctc ttccttttt tgctaactca tcctttattc cattcctgct tccatggtaa tgcaggctca aataaattac taggatacaa gattacttca agcctctttt ctgtggaact 180 cataatatga taagcatttg ttacaagatt gcctgtagtt gtttagggga caaattatat 240 300 tagggaaaga aagtetttet ttagttggtt aaatttteta ttataattgg gtactaaatt 305 tattt <210> 132 <211> 545 <212> DNA <213> Homo sapien <400> 132 aaacaatgct acactcattt ttggcaaagt gctgtattgt tcagtctgtg tacaaaactg 60 accatctatg aaccaatcag tataaaaaat ttctataaaa acaaaattta gacagcggct 120 caagaaaaca agctgccatt tatgcataga ttgatgtaca gtaacctaac caaatgtccc 180 ttttgaattt tcaagttact gaaaaaaaat gtgtcgagaa acacattaag aaggcacatg 240 tacagtetae aataetette agteteeeta aeteatgeee tgeeeetata aaggaaatat 300 gttcacaatt ttacttgaga aaaaaaaaca aagccactta aaaaaaaaa aacacacag 360 caattattaa agttcaaaat ctctggagga aaatacaagc aaaaccactc atacactcca 420 agectgaaac acacatetaa eeteeceagg tactggtttg gtttteagag gteeacetag 480 aaaacaaatc taaaacttca ggcaaaacag agcaaaactg gacatttaac aattacacaa 540 545 <210> 133 <211> 330 <212> DNA <213> Homo sapien <220> <221> misc feature <222> (1)...(330) $\langle 223 \rangle$ n = A,T,C or G <400> 133 aatatttatt actaatatct tataatgttt tgtggnacca tggcatacct tgggtactat 60 tgtaacanat agttcaggaa accctactat aaggtttatc aaatggtctc ataaacagtt 120 acttattcaa gcacgccaaa gctcagtgaa aagtattttt cacccttact ctttctcgtg 180 tcattcaaag agaagttttg atgtagtgta tttatttgta gggagtaatg aacagatcca 240 tttcacagta gactttgtgc tctaggtgat gcagctaatt gccccagttt ggaaaacatg 300 330 gacttggatg aattgtcttt tgtttgggac <210> 134 <211> 627 <212> DNA <213> Homo sapien <220> <221> misc feature <222> (1) . . . (627)

<223> n = A, T, C or G<400> 134 aaatattact tcaaatacat tttaaagctc aacaaacttg tgttgaactg aattgcagat 60 cctgaactct atttgaaaat acatcatgaa acagaaaanc ccattccaaa tgaaaatgat 120 agtgctttgt tgggggtggg aatgaggcgg ggagactaaa tcactattaa cagacttctt 180 ttcccaatgc aatttgtcaa aagttcaaaa gttctgaaat gtactaaatc ttaagcaaat 240 taaattcatg atattactaa aactttttaa atagtgcaat gacttatcaa gttatagtgg 300 ctgcattaag aacaaattat tgtgtgaaat acctgtataa acacaaaata caattaaata 360 tttctttaca aaaagctgag cattacgcat aatagtggaa tgtctttcat taggtgtatt 420 ttttaaagat taacaaaagt aacatttcct aaaatgtata catgtgccat atttttgcaa 480 acatqcctga gaatgtattt aaaacatttc tgtagtaaga gtttgcaaga acttcacaaa 540 cctgcaaata aaatgcatct ttttaaaaag gtgaaaatgg catctccaca ctgcaacaat 600 627 tcaaaaagtg cagcatccct aatcttt <210> 135 <211> 277 <212> DNA <213> Homo sapien <220> <221> misc_feature <222> (1)...(277) <223> n = A, T, C or G<400> 135

aaaatcaaat atattattty ttaaaaatca gettyttea ttacnggaaa ttacaccagt 60 cegttetatt tacttteaaa ceatatteaa eteeteaaet tteaaacaty taateaacta 120 attteaaaag ggaaaaggta eeetttataa aggagagate tyttaagaca eeaagaaate 180 aaaattaata teaettaata attaagtgga taacacatge eteecaatae agtgeagtga 240 gaaacacaaa acateaatte eegegtaete tyegtty 277

<210> 136 <211> 486 <212> DNA <213> Homo sapien

(Z13) Homo Bapton

<400> 136 aaaacagaat gaattcattg ttacagttac agaagtcaga agcccaaata cagtctgcct 60 gaaccaaagc cagggtcagc aaggttcctt tccactgttt tgccaacttc tagaggccac 120 ctgtattcct tggttcatgg cccctctctt catcatcaaa taatcagcat agctttatga 180 cattggcage tetgattttg etettttgee tteetettat gtagaceett gtaattacat 240 tgggtacacc cagataaccc caaataatct ccctatctca agattcttaa tgtaattata 300 ttgggaaagt cccttttgtc atataagata acatagcaat ggattccaag gattagtatg 360 tgagtttctt ttgaggggct ataattaacc ctaccacaat atggaaatgt ctattgtttt 420 tctatgtacc agaaataaga cattaggatg tgaaattaat aacataacac cacttacggc 480 486 atcacc

<210> 137 <211> 552 <212> DNA <213> Homo sapien

<220>

<221> misc feature <222> (1)...(552) $\langle 223 \rangle$ n = A,T,C or G <400> 137 ccatcttgca tcaaatgttc ttaaggcagt gactggctat caaccacagt ttctgtctcc 60 ccagttgcaa acacaggatc catgcaacag ttctgagacc atacacttag aaaccacagg 120 ggatgcggat caaatgcaga actcccaaat tataaaacag tcaggctaca ctcaaaacaa 180 aacatagaac atcaacaaca cacatctccc aaaaaagaag tgcaacgcat gcttgtataa 240 accaacaata acaaaaaaac cacaataaaa aatgcagagt ctcccaaaca agttttcaaa 300 tgtattgcan aaagaaaaaa aatgtatata tatataaaat taaaaagtct gaaatactag 360 tgcatagtca attacctaac accaagtttc ttttctttct gtccaagctc tactgcccct 420 ctgatactag cagcatgtct acaggctaag accatagcag caaaaaacgt ttttcatttg 480 gcatttacaa aattaaatta ctgaataaaa atataatttt ttataaaact atttcttaca 540 552 gtaataattt tt <210> 138 <211> 231 <212> DNA <213> Homo sapien <400> 138 aaattttact agtgttactt aatgtatatt ctaaaaagag aatgcagtaa ctaatgccct 60 aaatgtttga tctctgtttg tcattacttt ttcaaaatat ttttttctgt aaagtataat 120 atataaaact tcttgcttaa attgaatttc tatattagtg gttaattgca gtttattaaa 180 gggatcatta tcagtaattt catagcaact gttctagtgt tttgtgtttt t 231 <210> 139 <211> 535 <212> DNA <213> Homo sapien <400> 139 cagttgccaa ccctctgaac cgtttaggcc ggttcatcgc tgcctttgaa tctgggccgg 60 120 tggtgatccg gcaaggggtg aaaccaaaga gcgggggctg tgaggccctt cgcagtccct cgtaagtcgc tgcgatggag tgaactatca cgcatcgtgt ttatttcgtc aacacgaaat 180 gtgatttatt tttgcgaatt aacacggcag ttctcggtta cgttttcgga aagcgtggga 240 300 tatgattctg tctatcctgt acggatatac agtaattacc gggaggggat tccatggcga 360 agaagcagge ggcaccggca gcacggcagg aaatgagcgg tatggcgcgc ctcgggcttc gegteteate gatgattaat cacceggteg eecagaegea gegetgggtt aegatteate 420 geetggaeae ggatggggat egggagtggg aagaggttet gagegtgate getgataeeg 480 acgagetega getgaegete aatgaegatg geagtgtgae ggtgaggtgg gagea 535 <210> 140 <211> 640 <212> DNA <213> Homo sapien <220> <221> misc feature <222> (1)...(640) $\langle 223 \rangle$ n = A,T,C or G <400> 140

catgacgtag gagaataaaa atgaggagag gactgggttc gcctccagag ccatttaact tttttcgcat agggggatgg qctqaacgtg	aaaaggatga ccattgtttt atgggtggcc taaatgaatt ggctaggtta tttttaaaga aaaggtgctg aggactagtg tgcccantna	gagtgcaaac aaaacttatt tgtggaaacc tgccatgggt caaacatgga gtacaaactc aagtttattg tctttgtggc atccggctgg atcttcaaaa ggggaaaaaa	cgtctaatgg aaaagaagat atccatggtg aaagctccta gcattcatgg ctttctttaa aaggcctagg ctgcttccag aggcagaaac	aagagatcat gtgatgagct acaagagtca ttctgattgc cttggtttcc cctgcatttt catgacaatc tcgattagag	gagtgagaag taccagaaaa acaagagcgt tacagatgtg cagaagatct ttctaagttt ggaggactcg aggtgaaaaa	60 120 180 240 300 360 420 480 540 600 640
<210> <211> <212> <213>	127	en				
<400> aaaaatcaca gaaaaacatg ttttttt	cactgacaac	acagaaatac tctaatataa	gaaatgctag ttttttcaat	gaaaagtcta tagtataaag	gcatatgaag gcaaatgcgg	60 120 127
<210> <211> <212> <213>	126	en				
<222>	<pre>misc_feat (1)(12 n = A,T,C</pre>	6)				
<400> aaatateete aaacaaatte ecaata	tagatacntt	caagtaatac taattgaaat	taatcatttc atttataata	atgngnaaaa catttgttac	gtcttttaat acagttattt	60 120 126
<2112 <2122	> 143 > 730 > DNA > Homo sapi	en				
<222	> > misc_feat > (1)(73 > n = A,T,C	0)				
gcaagttetg ccctcctcag cggcagggcc	agggtccctg tgggaagggc caatggcctt	ttctgagcct cgagggtgag agatcctttc	gggagatcag cccatccctg caaaaacaaa	catggcaggt ccacaaacaa acaaaaccct	gtgctgggca	60 120 180 240 300
actggggccc	caccacacca	taacctgcct	tetgeteace	accaccccqt	agtagttgtc	360

attgtgtcca tttcacagat gaggcaaagg ctcagaagag tcatgtgtta aaccagcttc tagagcccat gcaggagctg caggtggga gaatcacctc taggtgctct tcccatggaa tcctcaccct ccttgagtgg tcactcactc anctttccaa tgggtgtgtg acctttgacc agctttcttt ccttntctgg gcctcagttt cccaccttgg acaaagtaag aggtctcttg ggnttcangg tagttctcc taacttcttt tccttttcat ttgagcatcc ttcttcattt tttgccacct ctcttgtcat tacangcttt taccttcggc cgcgaaccac gcttaagggc naaatttcca	420 480 540 600 660 720 730
<210> 144 <211> 485 <212> DNA <213> Homo sapien	
<pre><400> 144 ctggtcagaa atgattctct tgtgacacca tcgccacaac aggctcgggt ctgtcctccc catatgttac ctgaagatgg agctaccttt cctctgtgtg gcattttgtc gcttatccag tcttctactc gtagggcata ccagcagatc ttggatgtgc tggatgaaaa tcacctgtgt tgcgtggtgg gtctgctgcc gccacttcta atcctcatca tgacaacgtc aggtatggca tttcaaatat agatacaacc attgaaggaa cgtcagatga cctgactgtt gtagatgcag cttcactaag acgacagata atcaaactaa atagacgtct gcaacttctg gaagaggaga acaaagaacg tgctaaaaga gaaatggtca tgtattcaat tactgtagct ttctggctgc ttaatagctg gctctggttt cgccgctaga ggtaacatca gccctcaaaa atattgtctc aacag</pre>	60 120 180 240 300 360 420 480 485
<210> 145 <211> 465 <212> DNA <213> Homo sapien	
ccaagacagc tcgtttctgg agagtatgag ggtgtgtttt cttattgtga aaggaactac cttctcttag agggtaggaa gaatgtggtg tgtgtgttt tcataaagca accggacatt ataggtgccc aggtcatcta taaaaacgat ccttgggctg tgtaaaaatg aagtggcttt tcagtatcct ctttcacact tgctgcttcg ggagactatg caatgatggg aaggtgattg ccctttatt tcattcagtg ccatggtccc tgttgttgta gtaatttatt tgtttagttc attttttt tcttaacagt caaggggaag agtgattcct cacactgctt tcaagctgga ctgagccagt ctcattctgg gaaagaaatg ctgtgtccag aactcagcag ctccatctat tttttccagt cgaaagaaac tgatctttag gcagtttta cttgg	60 120 180 240 300 360 420 465
<210> 146 <211> 351 <212> DNA <213> Homo sapien	
<pre><400> 146 ccagccgggg taatctgtat gtggcggact tgagctacga cgtgggcggc aagtgcctgt ttgaccagat cagcggcgtg aagcttatgc caactcatcg tttgataaat ccgaggatca gttcaagacg tcgcagcggg tgattttggg aacgtcgttt tcggtcagta aattgtgggt agcgacggag tggttgatcg gcaagaatga tccgtatatt ggcgggagca gctataccga gagcctgggg gctgggggga gtaaccagtg ggagaatcag ttatatatga acattgggta ctacttctga cttaagatct ccagcgtttt aactggcctt atcgcaggca a</pre>	60 120 180 240 300 351
<210> 147 <211> 654	

<212> DNA

<213> Homo sapien <400> 147 acttattttt aattactgaa tatttcttag acgttttggg acagatttta tgtaatcttt 60 ataagtatga tttctgaaga aaagcaaatg cattagtatg tttgccttaa acttgtagac 120 180 taaaccaagt attgtaaaat aaacagcgat aacagtgata gtttttaact ctatggtcat tgtatcactc tggaaaatgt ggagtagctg taataaatct actcctgtat tatgctttac 240 agtgcaggtc ttagtttttc ttttttctca tttcttttga aatggcatct cgaacaaagt 300 360 ccaccaatcc ctttacaaaa gaatgaactg ctcctctgtg tgtacttcat agaaggtgga atcggacaga ggcaggttag tgacagttat tcctgaaata caggagcaga gtacagtctg 420 ttgtggtttc ccggattccg cgcctagctc agccaattaa gcatgagaca taggccattg 480 agccacttag tagttatgcg agtggataga ttggtatgta agagggaaag aggtctgctg 540 600 taaagaacaa cacttgtttg tctgtgggga aagaaaagca gaatcttgag atgaaagttg 654 gcatacaaat aggatactat cgccagtagg ttatattaca aaacatttat cggg <210> 148 <211> 539 <212> DNA <213> Homo sapien <400> 148 tgaatatcat gagggtgatt ttcacctgat tgcaaaactg ccatagtttg aaacactttt 60 tcaatttacc agacacactc tgtcaagact tcatatactt ccaacttgca agcctgtgtt 120 ttgccttctc caacctaaaa aggaaaagct ttaaacgatg aacttacatt ctattaaacc 180 240 atcagacttg agcttatcca tctgtttagc gtgaatgtac aaaccaggta catttccacc aaacacatag aaaaatettg tgeateaeag tteagetaag ggtagtagga eaateettae 300 360 aatcctcctt ggatttcttt tttaagatgt caaagaagca ggtaagcaac attgttcatt 420 tgttactggg tgttctagat caaaccttca caagctatat atatagcttc atatgctata 480 gcttacaaat ggggtaacaa agtaaaagaa aagaacaaat tatactttga cactttatag tcaaagtata attaaaaaag aaatcctaca gtgggtaatg gagaaataga taatttttc 539 <210> 149 <211> 273 <212> DNA <213> Homo sapien <400> 149 tttttggtca ttctcctcaa ggagccgctg gatagtagtc ttgattgact tccaccttgc 60 120 ccctcataca gtccggtact aaggccaccg acatcccgag gaacctccgg aaccacgacc gccaagcaac tcgacccacg ataggtgggg cctacgctct cgaagttgat tggatgctcc 180 cgcctacagg gcggggtaca gaagggacgt catttgtgac tggacgcgca agagctatac 240 273 tcagcagctt tcctctgtcc cagcccctag aac <210> 150 <211> 200 <212> DNA <213> Homo sapien <400> 150 gtttttacta ccgtatggcc catttaaaag ggatgtgtac gccttacact ataaccctta 60 120 aaccacctag aaatatgaaa ctcaaactgc cactgacctc cctcaccaag ctccataaaa 180 gtaaaaaatt ataacaaacc ttattaacca aactgaacga acatatgggc gattgattca 200 ttgccccac aatcctaggg

<210> 151 <211> 515 <212> DNA <213> Homo sapien	
<pre><400> 151 ctgtagcgat ctttaagaat attttatata tgaaatctgg atttagggtt cccatggtct ggcaccactg ggtacagtag ttctacatgg cagtaattca ttggagttga agcagtgagg aaagagtcaa gtactagtct tttatcctca gtgtccagtg actgtcaaga gaaatgggac tgccttctgc attgggatat gtgggttaaa gagtagtcca atatagaaga gtgagaaagt gmaccctctg aggcatagta atgttttatt kraaaacatc tcacatgtat tgaatactta sataggatgt attctgtatt actgaatttt ccagattatt gaagcaatca cctttctgtg tttaaagttt tagaaagaat gcttttaaaa atgcttaaca taagataagc ctgttttcat ggtgcaaggt cctttctatg aacatgaatc actggactct gagggttgga ctaagatca atctacatcc cttttaaatg actagtgtg</pre>	60 120 180 240 300 360 420 480 515
<210> 152 <211> 243 <212> DNA <213> Homo sapien	
<pre><400> 152 atttcaacaa catacttgtc gaggtagtta taaatcttct tagggggagg tggtggtttc tgttggaatg ccaattttac agcttctgct gctgattcag gttctttaat tatgcttttc tttgagtctg cttcagatag cacaacaaaa aaatgatgac acttttcaca cttgacaaaa cgggtggatg atacaaaagg tctctacatg tgtgcacaag tcgccacatt taggacagcg cag</pre>	60 120 180 240 243
<210> 153 <211> 620 <212> DNA <213> Homo sapien	
ttgtcttctc taccttacca tagccagttg ctttcatttt aaaccagagc aagtaacata tagtgactt gaatcttcat aagttaaagt aaaaaacagc aaaaaaccta gatctttgtc ttttagaaca cagaccattt tcaggaaagc agttagctaa gtgtttaatt catgaatatt gtatactgca tcccctacca caatttacac aatcctgtgg atagtcctac ctcaccctgg tcaacctaca tgatccttaa gctaatagcg gatcacgatg accttgtaga catgcacaa actatacctt tgtccaacag atcataatat atctgctatc caactggttt tacctgccta atcctactga tttgggcact gcttgtatag tctctcaagt tcacaggaaa tgttgatttt ctaaggtcct catttttaca gagtatacag gcaaagtgac aggggaaaag gaattagtct aagagtaagg ggatgattat tatattgagg ctaaaaaccac aaagtggctc aggctttaaa acaaaacact gtggataatg acaaaaagca taagtaaaaa tattttgaga aaaaataagt acaaagttttg aacaccccc	60 120 180 240 300 360 420 480 540 600 620
<210> 154 <211> 843 <212> DNA <213> Homo sapien	
<400> 154 cattgttagt gacccaagta aatttatagt ttttaagttc agaggaaaaa taaagcctat	60

	120
tttttgttaa cagtcttaat aaataataaa atggaataa	aa gaaaccaaaa aaaaaagaaa 120 ga ctaagtagtc aaatttctac 180
aagtttgtat gaaaattcat ccctatttct ttattttg	J J J
tatattaata ttatgtaagc gacacccatt taaattcac	ac tocaataacc tecetecate 300
ttgattatca cacctgctat tttttcactg ccaaaraga	ra trotttacat attototto 360
acceteaaaa aacaaacaga aaccatetga ggcatage	ta totoccaata tittoogott 420
tgtgcaccta tctacaacgt tctttcttct aaggagttt	ct acagaaaagt catctggtta 480
cagcagcagc getettettg acagactaag agaaggate	to throchtcae tragatitet 540
aggttttggg tcaaattaaa actctctgga cagaatcc	ac totagaaacg ottatgtttt 600
gcaaacagaa agcagattat teteetggca caatagega teagaetttg gcagaaettg ttaagaacag catcatca	ta atacatttot acaaactcoa 660
atttcagtgg ctcttttgtc ccacatgatg catgatga	a tttataaagg tctgttttac 720
ccccacaggg tcatttettt tgtgttecta cagageca	at aggetteatt taagteeaag 780
ttattatatt aaccatccct ttcactagac tagagaac	tt cttttcatc ctccatatcc 840
	843
tga	
<210> 155	
<211> 674	
<212> DNA	
<213> Homo sapien	
<400> 155 tttcgtgtca gccccaggtt tgctccagct attcacaa	gc agaatataac acaagaaaaa 60
caattcatat cccttaggga aaaaagagga tcaattca	to actomatatt taatacago 120
aaaatgaget gecaaaacaa geacacacae aaataetg	to aacagaaaaa tacaagaaaa 180
tgactaaget gggagtettg aeggggtatg gacattge	tt aaagcactta tcagtccca 240
gaaaaaccaa accaaaaaca tttttacga tggcatgg	cc tcatggcccc ctttaaaact 300
gttgatggta acaaagggca gggggtgggg agagaaaa	ca caatcactgc tccctttttg 360
ctcgccagtg tgactgcacc cctcacggca ccggcatg	ta cacaactacc acacaaggag 420
qaccaagtcc ctctgctggt ggcctcctaa aaggcaag	gc ttgagttttg gctgatgagc 480
aagttetete egttaceaat ecetgeeaac cageacta	cc atggctgaat tgatctaccg 540
ttttcctgag taaactgtaa ctggctacag tttcggta	ac atggaaaaga actcagctac 600
tacagccaac tgcaatactt caggaacccc ctccatcc	ct ggggctcctc actcctagtg 660
catcttgatt ggat	674
<210> 156	
<211> 671	
<212> DNA <213> Homo sapien	
(213) HOURO Saptem	
<400> 156	
cctttagtga acacctttat ctccatgtcc ctcttaga	gc ccagagagct gcccataggc 60
attttccaga attcctcatg tcacctagtt caatttcc	at taactcagat cagccattgt 120
gattcaccat ttgtcaggct ctcaggttta acaaaacc	ta ctatcaccat catccttcaa 180
cagccacagt ctgaattgag ccaacatttt tttttctt	tg agaaagaagt gggctggggc 240
acaactttta gtctgagggg agctagtagt cggcttga	ca attaaagcca tccataacaa 300
cttttcctca aatgtgttga ctcctcaggg gctaaact	gc tcttagctta gaattatgct 360
ttactagaga tctaccatat aagtgggtta atcactac	ca teetgtaact agttatatag 420
cttccagaca tgagggagac atcaaacagg gatggaag	ca accccaagga tatgcaagaa 480 gg ccaaccaagg gacagactgg 540
gggcatgatg aacccccttc cctctggcag gagaacaa	gg ccaaccaagg gacagactgg 540
aaagcactta gatgtttaag gaggagaaag gggaagct	tt gaccagtcct tgccttttgc 600 gc agtaacattt tgcagaattg 660
caagttcagc cagttctccg ctgcttgcaa cctctagc	ge agtaacattt tgeagaattg 660 671
cagattttcc c	6/1

<211> 474 <212> DNA <213> Homo sapien			
<pre><400> 157 cgcgttcttt aattctttaa gcc agtaaaacac acactagtag taa taacattttt gacagtttgc aaa atcataataa aatatttatt aaa aacgttaggc ttctctgttg ggc tgattcattg taatttcatt tcc tgcccccaaa gccaaaatta tat tattttagat attactgcct aaa</pre>	aggctagt gcatttccct ataccgcc ttgtatttct atstatgt tgatctgcgt ccctaact tggaggtgct ccttgtca tggtgaaat	totagcacte aaag gatteageet tatt gcatttatga tete tttttggate eete cagagaagat teta gaagagttga gtea	gaaagct 120 ccaaagt 180 ccagatt 240 cctcccg 300 aaatatc 360 astaatt 420
<210> 158 <211> 584 <212> DNA <213> Homo sapien			
<pre><400> 158 ttggattctg cagttccaca tca agtgccaagt ttagtcaatt tac tgtgttaaaa tacatacagt gaa caagttggaa aggatgtaaa aat ttaataaaat tgtggctggt act aattattaaa aaattttaca tgt actactgtca tttaaaacta tac aatcactctt ctccaaaacg taa ttataggatg ttgtggccct caa acaattctaa aaatcaatca ttg <210> 159 <211> 671 <212> DNA</pre>	ccctacct ggaatactat agctgagg aagagccact taatctaa agtatactaa tgatagac gaaacagata tatcaatg gattccagac ccttattg aacgtctccc aatttgga acacactgac aaaatatc attgtgggct	atacaactet gggggaagtaaaaa gtaggaata aaagtatttetaa ateeteeatatttt aagacteteaata aateeteeaaattt tgggaaacaaaata aatee	tetcaty 120 ttgttta 180 ggcagag 240 etggaat 300 ettcaca 360 tacccca 420 gettaat 480
<pre><213> Homo sapien <400> 159 cctaatttta ttacttttct tgc agatgaacca atccattgga aga agatttcttt ataattataa ccc aaatctaaat ttccttctcc tag tatccacagg ctgtcgaaca tgg aaagcaggga ctgagaacag gca ggttcactgt aaaggagaaa ata gtaagcaccc aaaatatagg aaa taatcatgtg acacatatga taa gctggagata agtgaaaaaa aaa aggcatatca gctagatctc gcg gtattacaaa g</pre>	attactaa aattgtatct cttggaga caatttgaac ggctgaag cctgatctaa gagctgca tctgagagac aggttcca agagcaaaat acggaactag aactgtat gaattcttgt acaaactc aaaacaggga agtgaagt gtctcaagga	tcccaatgcc tcc tttatttaaa tgt ataaggaagt agt aggtggcagc aac ggaacttgaa agc aacacctggt ctg gaagcagtaa act aaagaggggc ttt cagaagttat cat	tacagta 120 tctgctc 180 tgggata 240 caaaagc 300 caagtat 360 ggatgtg 420 atgatag 480 attcaat 540 ctcaaaa 600
<210> 160 <211> 315 <212> DNA			

<213> Homo sapien

<pre><400> 160 ccagagaggg agggctctgc ttcaccacag ggcaccagaa gaggactggt gcgcgggaag accaggtaat cataatgcta ttaaaaatag cagtaatcat actgttttat acattgtata atgtcataag gattttaact ttcatgtaac ataattgctg taaaagtttc cccagtttgt tttgtgctat ttaccctggt gttaaaatgt gtaagaattt acattttagg tatgttaggt ttattccttt ttatatggtt tctgtttgaa attttgattt tagaagacat tcattctcaa ggtcataaaa cacac</pre>	60 120 180 240 300 315
<210> 161 <211> 607 <212> DNA <213> Homo sapien	
<pre></pre>	60 120 180 240 300 360 420 480 540 600 607
<210> 162 <211> 443 <212> DNA <213> Homo sapien	
tgagttttga aaaagtgaat aatcaaaagg aaaataattc cttgttgttc ataaattaag catcactaaa gtctcttgaa aggcatttct gtattgggca agatttaaaa tactaaagcc ttaggtccta ttcatattta aagtagcatg tttgtaacct gttactattt ggagagagaa gcagttgcct gccacaattg aagactacct ttcaaatagc aaaagagaga gagaaggctg atatttcggg cttttaaata aagatttgtg tggttctgct tttactgtaa ctgtcacttt cccagtgaaa atgatttcat atacatttga gggtcttaca sgtatgggta aagttctata aattgcaaca aaatgatacc caatttcatt ttatccttt tgtattgtga aactggaaac tttatgacat tgtaaattat cag	60 120 180 240 300 360 420 443
<210> 163 <211> 686 <212> DNA <213> Homo sapien	
<400> 163 caggcaaatt atagtcaaat acatcacccc cetcaggcat ctgtggcaag gcatccetct agagaacaac taattgatta ettgatgetg aaagtggcec accagcetce atatacacag ecceattgtt etectagaca aggccatgaa etggcaaaac aagagatteg agtgagggtt gaaaaggate ecagaacttg gatttagcat atcaggtggt gtegggggta gaggaaacce attcagacet gatgatgatg taagttaget ttgtatatte ttgaaacace tataaagttt tatttacega ttgaatactt aaatgtaagt gaaaatctaa tagatgttta tgtaaatcta	60 120 180 240 300 360

ggtagacatc acctggattc cccactctat tgcttacctt tttgttttgt	420
gttcaagtta aaacaattta accaaaaact atgaatgttt atgatataat gaaatgattg	480
ttaactttct tattgctttt tcacacacct ataaaagtaa ttttattact cccaagagaa	540
atcactaaag gcagaattac tagaggtaaa aataactagg gttggtacag tattactcag	600
gagaagtcaa ggggagaaaa cttgtcccaa tgattcaaaa taattttggc atggggggg	660
ggagggaaaa aaatttggct toottt	686
gyaygyaaaa aaacccggcc coocc	
<210> 164	
<211> 706	
<212> DNA	
<213> Homo sapien	
<400> 164	C 0
ttttttttgt ttcatttgct gcttaaaata aaaattataa attagattta aatggagcac	60
taattataaa acagattgca agtaccacca tttgaaaaaa aaaaaaaaaa	120
tccataacac agaaaatgca tggacatgca tctacagtag agttaaaaat ttcctgtgac	180 240
taaaaaatta aaaactggaa tcaccagtag caaatgtata gtcaatggct atgacaagaa	300
cagatectge egageteata aatgeaatta ttggettttt tgetttataa aaaagacatt	360
acatatttta ttgcattatt ctcctaataa aaaacatact accacgtagc tctccccatc	420
cccattettt getteeagat ttttatagaa aataactgtt ttagtetgge ettggaaagt	480
gaacccacca gcaccacctt cacctactca ctcttcaatt caatatgcac atagcaaaag	540
ccaacacttc aaatctcttg cccacatcaa aaaaagtagt ttcaggagaa aaacattaat	600
accagttgaa taaaaataag ggcataaaag ctatgagaga gatagctctg ccatctgtct	660
ctgggctaaa aatcaaggct aactattgcc tttggcacca caaggttcaa ggtccatggt	706
tttattagaa aagtccccac aaaaaaatta aacccccctc acccca	, 00
<210> 165	
<211> 427	
<212> DNA	
<213> Homo sapien	
(213) Homo Bup 1911	
<400> 165	
tyywgggcaa ttaggcagga gaaggaaata aagggtattc aattaggaaa agaggaagtc	60
aaattgtccc tgtttgcaga cgacatgatt gtatatctag aaaaccccat tgtctcagcc	120
caaaatetee ttaaqetqat aageaaette ageaamgtet eaggatacaa aateaatgta	180
caaaaatcac aagcattett atacaccaat aacagacaaa cagagageca aaatcatgag	240
tgaactccca ttcacaactg cttcaaagag aataaaatac ctaggaatcc aacttacaag	300
ggatgtgaag gacctcttca aggagaacta caaaccactg ctcaaggaaa taaaagagga	360
tacaaacaaa tggaagaaca ttccatgctc atgggtagga agaatcaata tggtgaaaat	420
ggaaaaa	427
<210> 166	
<211> 124	
<212> DNA	
<213> Homo sapien	
<400> 166	
accatgtttt cgttgtgtgt gagcagggaa gggaactttc ctgccttatt taaacctggg	60
ccgaggattc gtggaatctg cttgatcaga gactctgagg ccaaaaaacgc atcatacttc	120
	124
ttgg	
<210> 167	
<211> 232	
<212> DNA	

<213> Homo sapien <400> 167 tctgcatagc aaatatgatt taagaattta acatcattat ttgatcacaa gcgtaaatat 60 gtcaccataa ataaatgtaa attcattgta caaaaattcc caacaactct taatacaaat 120 atggtacatt tgacagtttc tgaaacagat tatttttaaa actttttaaa acctaagctt 180 232 tatttttttc ctggttatta gacacacaca aaaaaaataa aaagaggctg gg <210> 168 <211> 677 <212> DNA <213> Homo sapien <400> 168 60 tttcacaatt aaccaacatg caaaaattct cagactaaac actgagaaat tcttcataca atgcatttgc caccttattg catttttaaa atctttattc tatagtgaat tggtattccc 120 180 aatctgccta agcaaaggca tgcccttcta acaagatttg cttagagcag aggtgataga 240 aggaagaatc cgaagaccct ctggcatggc aatctgggag cagcacattg ttgatggagt ccaagtgagc acatttcaca caattcattt agtgacaagt gggcttgctc ccttttcatc 300 caggaaaaaa actactcaca gaccactgcc cagaatctgg aataagaacc ctcattttaa 360 ggtattcttc ccaacaaata aatatctaaa tattgaaagg gggcatatca gaaaacttaa 420 480 aagacacaat aaccaaaacc aaaaccctct tcaaaacaag taagcaatgt ctgtatttag ttcactctaa aacattctta gcttttcttg cagtttgttc ctaaaagatt tgattgggca 540 caagaggaac gaaattatta ataaaataaa agcttatttt tgtttttgct gtggataatc 600 660 ggtacaaaac gtttccagat ctgagactta aatggatctt ttaaggtgaa aaggagaatg 677 ccaggttcta ctgaaat <210> 169 <211> 635 <212> DNA <213> Homo sapien <400> 169 60 ttaagaagac tgggcattta tactctctct tgctagtcag cctggagcaa gcttggagca gacgcacatt tttgtactgg cacatattct tagacgacca attatagttt atggagtaaa 120 atattacaag agtttccggg gagaaacttt aggatatact cggtttcaag gtgtttatct 180 gcctttgttg tgggaacaga gtttttgttg gaaaagtccg attgctctgg gttatacgag 240 gggccacttc tctgctttgg ttgccatgga aaatgatggc tatggcaacc gaggtgctgg 300 tgctaatctc aataccgatg atgatgtcac catcacattt ttgcctctgg ttgacagtga 360 aaggaagcta ctccatgtgc acttcctttc tgctcaggag ctaggtaatg aggaacagca 420 agaaaaactg ctcagggagt ggctggactg ctgtgtgacg gaggggggag ttctggttgc 480 catgcagaaa gagttetegg egggegaaat cacceeetgg teactcacat ggtacaaaaa 540 tggctttgac ccgctaccga cagatccggc cgggtacatc cctgtctgat ggagaggaag 600 635 atgaggatga tgaagatgaa tgaaaaaaaa aaaaa <210> 170 <211> 533 <212> DNA <213> Homo sapien <400> 170

ctgtgatctc acaagtgtga aaaatcttat gaatgtaaaa tgtgtggaga ttcttctttg

tttttagctt ccactttggg aacatgtcaa agcacacatt gagaagtccc atgagtgaaa

gagatgttgg aaagcccttg aacttggtcg ttaggaaaca tccacactga agaggaacct

60

120

180

gactgtatgg aaggtcaaaa aggctgtatt aatttacatg caaaaagtca cactagagga atgccatatc agaatgcttt tggtaaatat acatgtttta aagaggttat atatcattaa taaaaatatc tagctggtct gaagaccctg agttatctca attgttcacg gttacagatg gaactcttta ttattgagga gttccactct ttcccccatt tgtcactact acacttccct agtctttaaa acaattttag gctgggtgca gtggctcatt cctgtaatcc cagcactttg aaaggccgaa gcgagtggat catttgaggt caggagttcg agaccagcct gga	240 300 360 420 480 533
<211> 568 <212> DNA <213> Homo sapien	
contigues a actitic and the contigues and actitic and the contigues and actitic and the contigues and	60 120 180 240 300 360 420 480 540 568
<210> 172 <211> 167 <212> DNA <213> Homo sapien	
<400> 172 ccatttacag gaatcagcca cttcagttca gacagcttta ttaaaccgcc tggagcgaat tttcgaagca tgttttcctt ccatacttgt ccctgatgct gaagaggaag ttacttccct gaggcacttg ctggaaacaa gcactttgcc aataaaaacg agagagg	60 120 167
<210> 173 <211> 391 <212> DNA <213> Homo sapien	
<pre><400> 173 cctcccaaag tgctgggatt acaggcatga mccmccmcgc cctgatgata gacacgtttt taacttctaa aaatatatga tcatgattgt gtctgtggag acttgcacat atactaaatt ttaamcaatt agagatattt gttcattacc acattttggg agtcattatt tcctctatga agagagaaag gaatttgata caagttcaca ggggcttcca gtagattgag acttttattt ctagctgagc tgctgatgta tgaatttttt ttgktattat gactttcata tgtattaaaa ataaaatgaa aaaacaaggg attaggtgag gaacctatac gtctctaata tgcaaaatac cacagaaata atgactgktg ggaaaattag g</pre>	60 120 180 240 300 360 391
<210> 174 <211> 474 <212> DNA <213> Homo sapien	
<400> 174	

gaactcagag agaggattgt o	raccettgge	atctgagctg	acactataaq	gacaatgagg	60
agtotoottg gggatagatg	nggagataga	aggacgatgc	ctqtcctacq	qqqtcttgga	120
aggttaggga tacacactgt	gagetgecae	aggeteaaca	gtacggatag	ggggtgctgg	180
aaccagccag ggctctgatc	accaagctat	gtgccccatg	cagaggaagg	ggtagtggca	240
cactgaacca cccagccaca a	aggctatctc	cccatacagg	gcacctttaa	aaaaattatc	300
cttacagggg aagacgggga	ggaaggatga	actqtqtqcg	gtgatgttgc	agtgagtgtg	360
agtttgtgtc cgtccgcttg t	tatgagggc	taccttttac	taactagccc	ccaactttca	420
ttatctccc tttttctgtc t	taccettetq	cctttttaaa	gtggcttgca	atcc	474
ccaccecoo court is	•				
<210> 175					
<211> 655					
<212> DNA					
<213> Homo sapie	<u>n</u>				
<400> 175				taggtgaagg	60
ccttgcaggg gtggggatgt	gtgggcttgt	teactgttae	ageceatgta	acctetteta	120
gcaacatgta cccacaaatg	ttccaggagg	caaacaaaaa	ttactactca	gactccata	180
aaccatcctt gttgatatct	ctgctacttc	cgaaagitaa	gaaaaaatt	tatttaatct	240
attttccta ttaattcacc	ctatgtccaa	tagtagatat	gaaaaaaacc	taaggeteag	300
ttgcaataag cctataggca	ggcagcatta	attagaagag	ctagataage	gacccagact	360
agaagcttgt atactgtcac gtgggactcc tcactccatt	ctaggiagia	ccactaggg	actecttaaa	atacaatgga	420
tgcttgatga acgcttgtgg	gaatactaaa	tagacacagt	teetttteaa	ccaaaaqcac	480
cttgacgact tgtgaagaat	taateteeggg	aacttaacct	atttataaaa	acqtqttatt	540
aagggcaggt tattcccacc	ccctttacca	aagaaacccg	ccctgacctt	tttttactgg	600
gggttggtct tgggcatttt	caacaaggg	ggaacagttt	aaaaattccc	ccctt	655
9992299222	3333	-			
<210> 176					
<210> 176 <211> 660					
<211> 660	n				
<211> 660 <212> DNA <213> Homo sapie	n				
<211> 660 <212> DNA <213> Homo sapie		attactagac	atcaccqtaa	cqaaqqctct	60
<211> 660 <212> DNA <213> Homo sapie <400> 176 cctggtcaaa gtgggcatta	ccattcaagc	attactagac	atcaccgtaa tctgctctca	cgaaggctct tccaggatcc	60 120
<211> 660 <212> DNA <213> Homo sapie <400> 176 cctggtcaaa gtgggcatta gttcacatga aactacccct	ccattcaagc tctccattgg	gggctcagac	tctgctctca	tecaggatee	
<211> 660 <212> DNA <213> Homo sapie <400> 176 cctggtcaaa gtgggcatta gttcacatga aactacccct	ccattcaagc tctccattgg tgttcaaccc	gggctcagac tctctcccac	ccactgcctg	tcacttcact	120
<pre><211> 660 <212> DNA <213> Homo sapie <400> 176 cctggtcaaa gtgggcatta gttcacatga aactacccct tgaactctgc tccaggcacc gactccagtt acattgaaac</pre>	ccattcaagc tctccattgg tgttcaaccc aattttcagt	gggctcagac tctctcccac ctaagggagg	ccactgcctg attttctacc	tccaggatcc tcacttcact tttcagagct	120 180
<211> 660 <212> DNA <213> Homo sapie <400> 176 cctggtcaaa gtgggcatta gttcacatga aactacccct tgaactctgc tccaggcacc gactccagtt acattgaaac gacctccgac tttaagactt	ccattcaagc tctccattgg tgttcaaccc aattttcagt gacaggtatt	gggctcagac tctctcccac ctaagggagg tatcttgaaa	ccactgcctca ccactgcctg attttctacc ccagagaggg	tcaggatcc tcacttcact tttcagagct agctggagga	120 180 240
<211> 660 <212> DNA <213> Homo sapie <400> 176 cctggtcaaa gtgggcatta gttcacatga aactacccct tgaactctgc tccaggcacc gactccagtt acattgaaac gacctccgac tttaagactt aaaaaaaact gagcaagcac accgactgcc attaccaaaa	ccattcaagc tctccattgg tgttcaaccc aattttcagt gacaggtatt atcaatgcct cqccaagcac	gggctcagac tctctcccac ctaagggagg tatcttgaaa tttccaccct aaccggtttg	ccactgctcta ccactgcctg attttctacc ccagagaggg tcttcatcct gaacaagacg	tccaggatcc tcacttcact tttcagagct agctggagga ttccacactc cattccgttt	120 180 240 300 360 420
<211> 660 <212> DNA <213> Homo sapie <400> 176 cctggtcaaa gtgggcatta gttcacatga aactacccct tgaactctgc tccaggcacc gactccagtt acattgaaac gacctccgac tttaagactt aaaaaaact gagcaagcac accgactgcc attaccaaaa taattaaaac caactcatta	ccattcaagc tctccattgg tgttcaaccc aattttcagt gacaggtatt atcaatgcct cgccaagcac tgtatttag	gggctcagac tctctcccac ctaagggagg tatcttgaaa tttccaccct aaccggtttg tgggggggaa	ccactgctcta ccactgcctg attttctacc ccagagaggg tcttcatcct gaacaagacg ggggggcaca	tccaggatcc tcacttcact tttcagagct agctggagga ttccacactc cattccgttt atcagggttt	120 180 240 300 360 420 480
<211> 660 <212> DNA <213> Homo sapie <400> 176 cctggtcaaa gtgggcatta gttcacatga aactacccct tgaactctgc tccaggcacc gactccagtt acattgaaac gacctccgac tttaagactt aaaaaaact gagcaagcac accgactgcc attaccaaaa taattaaaac caactcatta tcaccaccaa attttccaca	ccattcaagc tctccattgg tgttcaaccc aattttcagt gacaggtatt atcaatgcct cgccaagcac tgtattttag	gggctcagac tctctcccac ctaagggagg tatcttgaaa tttccaccct aaccggtttg tgggggggaa acaccattgc	ccactgctcta ccactgcctg attttctacc ccagagaggg tcttcatcct gaacaagacg ggggggcaca cttttaaaaa	tccaggatcc tcacttcact tttcagagct agctggagga ttccacactc cattccgttt atcagggttt actattttc	120 180 240 300 360 420 480 540
<211> 660 <212> DNA <213> Homo sapie <400> 176 cctggtcaaa gtgggcatta gttcacatga aactacccct tgaactctgc tccaggcacc gactccagtt acattgaaac gacctccgac tttaagactt aaaaaaact gagcaagcac accgactgcc attaccaaaa taattaaaac caactcatta tcaccaccaa attttccaca cacctccaaa atatttattt	ccattcaagc tctccattgg tgttcaaccc aattttcagt gacaggtatt atcaatgcct cgccaagcac tgtattttag cggtttctga aaattttatt	gggctcagac tctctcccac ctaagggagg tatcttgaaa tttccaccct aaccggtttg tgggggggaa acaccattgc tattacggag	ccactgctcta ccactgcctg attttctacc ccagagaggg tcttcatcct gaacaagacg ggggggcaca cttttaaaaa gtggtattct	tccaggatcc tcacttcact tttcagagct agctggagga ttccacactc cattccgttt atcagggttt actattttc tcctttggga	120 180 240 300 360 420 480 540
<211> 660 <212> DNA <213> Homo sapie <400> 176 cctggtcaaa gtgggcatta gttcacatga aactacccct tgaactctgc tccaggcacc gactccagtt acattgaaac gacctccgac tttaagactt aaaaaaact gagcaagcac accgactgcc attaccaaaa taattaaaac caactcatta tcaccaccaa attttccaca cacctccaaa atatttattt	ccattcaagc tctccattgg tgttcaaccc aattttcagt gacaggtatt atcaatgcct cgccaagcac tgtattttag cggtttctga aaattttatt	gggctcagac tctctcccac ctaagggagg tatcttgaaa tttccaccct aaccggtttg tgggggggaa acaccattgc tattacggag	ccactgctcta ccactgcctg attttctacc ccagagaggg tcttcatcct gaacaagacg ggggggcaca cttttaaaaa gtggtattct	tccaggatcc tcacttcact tttcagagct agctggagga ttccacactc cattccgttt atcagggttt actattttc tcctttggga	120 180 240 300 360 420 480 540
<211> 660 <212> DNA <213> Homo sapie <400> 176 cctggtcaaa gtgggcatta gttcacatga aactacccct tgaactctgc tccaggcacc gactccagtt acattgaaac gacctccgac tttaagactt aaaaaaact gagcaagcac accgactgcc attaccaaaa taattaaaac caactcatta tcaccaccaa attttccaca	ccattcaagc tctccattgg tgttcaaccc aattttcagt gacaggtatt atcaatgcct cgccaagcac tgtattttag cggtttctga aaattttatt	gggctcagac tctctcccac ctaagggagg tatcttgaaa tttccaccct aaccggtttg tgggggggaa acaccattgc tattacggag	ccactgctcta ccactgcctg attttctacc ccagagaggg tcttcatcct gaacaagacg ggggggcaca cttttaaaaa gtggtattct	tccaggatcc tcacttcact tttcagagct agctggagga ttccacactc cattccgttt atcagggttt actattttc tcctttggga	120 180 240 300 360 420 480 540
<211> 660 <212> DNA <213> Homo sapie <400> 176 cctggtcaaa gtgggcatta gttcacatga aactacccct tgaactctgc tccaggcacc gactccagtt acattgaaac gacctccgac tttaagactt aaaaaaact gagcaagcac accgactgcc attaccaaaa taattaaaac caactcatta tcaccaccaa attttccaca cacctccaaa atatttattt gccaaattgg gaaatttagg <210> 177	ccattcaagc tctccattgg tgttcaaccc aattttcagt gacaggtatt atcaatgcct cgccaagcac tgtattttag cggtttctga aaattttatt	gggctcagac tctctcccac ctaagggagg tatcttgaaa tttccaccct aaccggtttg tgggggggaa acaccattgc tattacggag	ccactgctcta ccactgcctg attttctacc ccagagaggg tcttcatcct gaacaagacg ggggggcaca cttttaaaaa gtggtattct	tccaggatcc tcacttcact tttcagagct agctggagga ttccacactc cattccgttt atcagggttt actattttc tcctttggga	120 180 240 300 360 420 480 540
<211> 660 <212> DNA <213> Homo sapie <400> 176 cctggtcaaa gtgggcatta gttcacatga aactacccct tgaactctgc tccaggcacc gactccagtt acattgaaac gacctccgac tttaagactt aaaaaaact gagcaagcac accgactgcc attaccaaaa taattaaaac caactcatta tcaccaccaa attttccaca cacctccaaa atatttattt gccaaattgg gaaatttagg <210> 177 <211> 459	ccattcaagc tctccattgg tgttcaaccc aattttcagt gacaggtatt atcaatgcct cgccaagcac tgtattttag cggtttctga aaattttatt	gggctcagac tctctcccac ctaagggagg tatcttgaaa tttccaccct aaccggtttg tgggggggaa acaccattgc tattacggag	ccactgctcta ccactgcctg attttctacc ccagagaggg tcttcatcct gaacaagacg ggggggcaca cttttaaaaa gtggtattct	tccaggatcc tcacttcact tttcagagct agctggagga ttccacactc cattccgttt atcagggttt actattttc tcctttggga	120 180 240 300 360 420 480 540
<211> 660 <212> DNA <213> Homo sapie <400> 176 cctggtcaaa gtgggcatta gttcacatga aactacccct tgaactctgc tccaggcacc gactccagtt acattgaaac gacctccgac tttaagactt aaaaaaact gagcaagcac accgactgcc attaccaaaa taattaaaac caactcatta tcaccaccaa attttccaca cacctccaaa atatttattt gccaaattgg gaaatttagg <210> 177 <211> 459 <212> DNA	ccattcaagc tctccattgg tgttcaaccc aattttcagt gacaggtatt atcaatgcct cgccaagcac tgtattttag cggtttctga aaattttatt gaaccttttt	gggctcagac tctctcccac ctaagggagg tatcttgaaa tttccaccct aaccggtttg tgggggggaa acaccattgc tattacggag	ccactgctcta ccactgcctg attttctacc ccagagaggg tcttcatcct gaacaagacg ggggggcaca cttttaaaaa gtggtattct	tccaggatcc tcacttcact tttcagagct agctggagga ttccacactc cattccgttt atcagggttt actattttc tcctttggga	120 180 240 300 360 420 480 540
<211> 660 <212> DNA <213> Homo sapie <400> 176 cctggtcaaa gtgggcatta gttcacatga aactacccct tgaactctgc tccaggcacc gactccagtt acattgaaac gacctccgac tttaagactt aaaaaaact gagcaagcac accgactgcc attaccaaaa taattaaaac caactcatta tcaccaccaa attttccaca cacctccaaa atatttattt gccaaattgg gaaatttagg <210> 177 <211> 459	ccattcaagc tctccattgg tgttcaaccc aattttcagt gacaggtatt atcaatgcct cgccaagcac tgtattttag cggtttctga aaattttatt gaaccttttt	gggctcagac tctctcccac ctaagggagg tatcttgaaa tttccaccct aaccggtttg tgggggggaa acaccattgc tattacggag	ccactgctcta ccactgcctg attttctacc ccagagaggg tcttcatcct gaacaagacg ggggggcaca cttttaaaaa gtggtattct	tccaggatcc tcacttcact tttcagagct agctggagga ttccacactc cattccgttt atcagggttt actattttc tcctttggga	120 180 240 300 360 420 480 540
<211> 660 <212> DNA <213> Homo sapie <400> 176 cctggtcaaa gtgggcatta gttcacatga aactacccct tgaactctgc tccaggcacc gactccagtt acattgaaac gacctccgac tttaagactt aaaaaaact gagcaagcac accgactgcc attaccaaaa taattaaaac caactcatta tcaccaccaa attttccaca cacctccaaa atatttattt gccaaattgg gaaatttagg <210> 177 <211> 459 <212> DNA <213> Homo sapie	ccattcaagc tctccattgg tgttcaaccc aattttcagt gacaggtatt atcaatgcct cgccaagcac tgtattttag cggtttctga aaattttatt gaaccttttt	gggctcagac tctctcccac ctaagggagg tatcttgaaa tttccaccct aaccggtttg tgggggggaa acaccattgc tattacggag	ccactgctcta ccactgcctg attttctacc ccagagaggg tcttcatcct gaacaagacg ggggggcaca cttttaaaaa gtggtattct	tccaggatcc tcacttcact tttcagagct agctggagga ttccacactc cattccgttt atcagggttt actattttc tcctttggga	120 180 240 300 360 420 480 540
<211> 660 <212> DNA <213> Homo sapie <400> 176 cctggtcaaa gtgggcatta gttcacatga aactacccct tgaactctgc tccaggcacc gactccagtt acattgaaac gacctccgac tttaagactt aaaaaaact gagcaagcac accgactgcc attaccaaaa taattaaaac caactcatta tcaccaccaa attttccaca cacctccaaa atatttattt gccaaattgg gaaatttagg <210> 177 <211> 459 <212> DNA <213> Homo sapie <400> 177	ccattcaagc tctccattgg tgttcaaccc aattttcagt gacaggtatt atcaatgcct cgccaagcac tgtattttag cggtttctga aaattttatt gaaccttttt	gggctcagac tctctcccac ctaagggagg tatcttgaaa tttccaccct aaccggtttg tgggggggaa acaccattgc tattacggag tattacccgg	tetgetetea ceaetgeetg attttetace ceagagaggg tetteateet gaacaagaeg ggggggeaca ettttaaaaa gtggtattet ttttttggge	tccaggatcc tcacttcact tttcagagct agctggagga ttccacactc cattccgttt atcagggttt actattttc tcctttggga gggtaaaccc	120 180 240 300 360 420 480 540
<211> 660 <212> DNA <213> Homo sapie <400> 176 cctggtcaaa gtgggcatta gttcacatga aactacccct tgaactctgc tccaggcacc gactccagtt acattgaaac gacctccgac tttaagactt aaaaaaact gagcaagcac accgactgcc attaccaaaa taattaaaac caactcatta tcaccaccaa atttccaca cacctccaaa atattattt gccaaattgg gaaatttagg <210> 177 <211> 459 <212> DNA <213> Homo sapie <400> 177 cttttcct tcctctgtgg	ccattcaagc tctccattgg tgttcaaccc aattttcagt gacaggtatt atcaatgcct cgccaagcac tgtattttag cggtttctga aaattttatt gaaccttttt	gggctcagac tctctcccac ctaagggagg tatcttgaaa tttccaccct aaccggtttg tgggggggaa acaccattgc tattacggag tattacccgg	ccactgctca ccactgcttg attttctacc ccagagaggg tcttcatcct gaacaagacg ggggggcaca cttttaaaaa gtggtattct tttttgggc	tccaggatcc tcacttcact tttcagagct agctggagga ttccacactc cattccgttt actattttc tcctttggga gggtaaaccc	120 180 240 300 360 420 480 540 600 660
<211> 660 <212> DNA <213> Homo sapie <400> 176 cctggtcaaa gtgggcatta gttcacatga aactacccct tgaactctgc tccaggcacc gactccagtt acattgaaac gacctccgac tttaagactt aaaaaaact gagcaagcac accgactgcc attaccaaaa taattaaaac caactcatta tcaccaccaa attttccaca cacctccaaa atatttattt gccaaattgg gaaatttagg <210> 177 <211> 459 <212> DNA <213> Homo sapie <400> 177	ccattcaagc tctccattgg tgttcaaccc aattttcagt gacaggtatt atcaatgcct cgccaagcac tgtattttag cggtttctga aaattttatt gaaccttttt en aatggtgaaa aaqaamcatt	gggctcagac tctctcccac ctaagggagg tatcttgaaa tttccaccct aaccggtttg tgggggggaa acaccattgc tattacggag tattacccgg	ccactgctca ccactgcttg attttctacc ccagagaggg tcttcatcct gaacaagacg ggggggcaca cttttaaaaa gtggtattct tttttgggc	tccaggatcc tcacttcact tttcagagct agctggagga ttccacactc cattccgttt actattttc tcctttggga gggtaaaccc	120 180 240 300 360 420 480 540 600 660

tttagtgaaa catcatcttg tggtatgatt ttttttaat tcagtatttt aaaagcaaaa tgcagtgtac aatttgctgg ttgkactttt ctattaaaat <210> 178 <211> 720 <212> DNA <213> Homo sapie	gtatcagytt aagggaatgg gctagaaatg cattttacga	gaacctagaa aggaaaattg agataaagat	tattgaatta catcttagac	aaatgctgkc catttttata	240 300 360 420 459
<213> Homo sapie	11				
<pre><400> 178 ctgcaagetc ccactecttc cactttccta cctccactgc cccttctttt gagatcccct gttactttta ctacctgctg gcactgggac aagagtaaaa aaaagatact gatgactttt agtaaaaaga tgaaaatgtg tctggagagg atgggaagaa ccaaaattat ctatctatat aatggtttgt ttgttctaag</pre>	attttcgccc tcttaaaagg atctatcgct tgatccaaca tataactaca aacaggttga aaaatgaagg atttttatta	ctgataattt gtccattcta accttgtcca aacataatgt acatattcgt ctatttccta ctggcagtga aaaacaccca	ttgtaagctt ttaaccctac attcatggga tgcatttaaa ttgtgaataa aatttatggc tgggtgggga cagtaattat	acctaagcct cccatatcca attacagggt aaaataagct gaacatatat agaaggttgt aatgcaacct ggcaaatgtt	60 120 180 240 300 360 420 480 540 600
tttcttttct tttcttttct	gttttggata	anttanttcc	aaaagactta	tatctgctac	660
atgaagaacg aagcaagttc	agetetetta	gctgaaatgt	tcaaatqctt	qaqqqcaagg	720
<210> 179 <211> 427 <212> DNA <213> Homo sapid <400> 179 ctgtgaatct gtctggttct ttcaatctct tcctggttta ttgtaagttt tctagtttat tattctgtg atatcagttg cttctctct cttggttaat accagcttt tgtttcatt tctgctctga tcttcgttat ttttctgt tcttcttt	gaacttattt atctaggagg gcacataaac taatatctcc cttgctaatg atcttttgta	gttgtatatt gtgttcatag catttcattt gtctatcagt ttgtttttgt	tccaggaatt tagccttgaa ctaattgagc tttatttatc ttgtctcaat	tatccatctc taatcttttg ttatttgaaa ttttcaaaga ttcatttagt	60 120 180 240 300 360 420 427
<210> 180 <211> 728 <212> DNA <213> Homo sapie	en				
<400> 180					
caaacacaaa agtcactgtg tcatgcacta gtgcatgtat taactgctta gatatatatg catcatttcc ctctttatct aatagtaaat cctcaaaaaa atgatgatgg tgaagataaa tggtaaatat tttataaaaa atacggttta atattttact	gcatttttac aagtaaaaat tatactgtca tgatcaatga ttttagcatt tcaatgaatg	atttttaaa gaaagttctc gcattcccag ataatttaat tattgaacgc agctaaaatg	ttacaaaaat cctttacatg cttgtagcac aatgattaat taactacaaa ccattctatt	caacctatta acccatcccc agtgtctggc aaataaatta ccagggagtg atttttttgg	60 120 180 240 300 360 420 480

aatggtaaaa caatatgtac agcagtatcc tattttttag aataaaaata taaatatgtg ctcacatatg tggttggggc atgcctagaa acccgattag aacgggattt tttcttacca ccatttttt tacctgggaa aaatatggga aaattttatt tcccttcttt ttggttctaa aatttatata caggagccta tttggctttg gataaatcat tttaaaaaaag gtggtttaaa aaaaaaaa	540 600 660 720 728
<210> 181 <211> 546 <212> DNA <213> Homo sapien	
<pre></pre>	60 120 180 240 300 360 420 480 540
<210> 182 <211> 333 <212> DNA <213> Homo sapien	
<pre></pre>	60 120 180 240 300 333
<210> 183 <211> 393 <212> DNA <213> Homo sapien	
<pre><400> 183 ctgaatttct tgggctttat gtggcagtgt ggtaaaaata tatgatcaga tttcactgtt aagaaaattc tttcagcaat acatgtagag tcaagtttct tgcatggata actgaacatg tgggttatga gattttaaaa aatgtctcgt gacaaacttt acggaaatgc aacaatctgg acatctagtt ttgtctgaga gtggcgtgga tatgaagaac tgtgctgttg gtgctgatgc cacactaagt tttggcagtc acactcttgg ttcttcatat ttgaggagat gggatggtga ggaggcctgt tggctttatt ttattacgtg ccaccatcta gaatacagat tcttggatat ttcatcttca caaaggtgaa gctgcaaact cag</pre>	60 120 180 240 300 360 393
<210> 184 <211> 700 <212> DNA <213> Homo sapien	

<220> <221> misc_feature <222> (1)...(700) <223> n = A,T,C or G<400> 184 60 ccaggscawt gaggaaaagr gaaagaatwt arrggstwtt caaataggaa aaraggaagt 120 ccaaattggt cccntgttkg ccagataacc atgattgkgk atttagaaam ccccatgwty tcagcccaaa atctccttaa gctgattaag camcttcagt aaaktctcag gataaaaaat 180 caatgtgcaa aawtcacaag crttcctatm cgamcaatam cagmcaaaca gagccaawtc 240 300 atgagtgrac tettatteae aattgetagt aagagaagaa aatmeetagg aatacaaett 360 mcaagggatg tgaaggwtct cttcaaagaa gaactacaar ccrctgctca aggaaataag 420 agaggmcmca agtaaatggg aaaagcattc tatgctcatg gataggaaga atcaatcccg 480 tgaaaatggk gatactgccc aaaataattt atagattcaa tgctatcccc atcaagctac 540 cattgacttt cttcmcggaa ttnggaaaaa tctactttac acttyatagg graccaaaaa 600 agaagcccwt gtagccaaga caatcctagg caaaaaagac caamcctgga ggcatcacag tmcytgactt cmaactatwc taccaaggny tmcrgkgmcc aaaacagcac ggkacntggt 660 700 mccaaaccrg acwtwtwgac cmmcagacac agaacmgagg <210> 185 <211> 192 <212> DNA <213> Homo sapien <400> 185 60 ccagyctttc ttttaagtaa gcgctttttc aagctcattg tagctacaaa gtcaataaat 120 tggtctttgt tatttttacc tgaaaaggct gttaaaggtt aaaatgacaa actcaaattc 180 aaagggattg gaggatttgg tgtttatgat ttctcagaac aacaatctag agaccaccag 192 ggtgggtttc ag <210> 186 <211> 688 <212> DNA <213> Homo sapien <400> 186 60 gtgctggaat tcgcccttag cgtggtcgcg gccgaggtgg gatatttctt ctggatagat 120 ttcagatagg tagttccctc aaataagatt atatgggttt gcattttcaa ggcagagttg tatacttcct gctctttatt taaataaaaa aacttgaaaa tctgttctgc ccagtattgt 180 240 aagcgctcag gtacaaatat gaatgaaaca atctctgcct aagtaacaca agtataggga caagattete agtaaaatte teaegtgaaa tttgtaaete aetagaeaet ateaggagat 300 360 caataattat gtaattaaaa aaaataatta cctgccaaac tgggttcttc tttggcactt 420 ctqcttqqtt ttaagacaat tctcacatag aagcttatta ttccccatta gtcattccat 480 agatqtaaaa ctggtagaaa caggacttga attgaacatt ctttacaagt aagttatata gcttctgaaa aaagggcttg aaaaagcatt tttgggggact ataagaacct tcaaatgctt 540 600 tcccctctta acaaacctta aaattatttt gaaaataatt taagggggct gattttctct 660 tqtcaaaatc ttgaacccca cttaccaggt ggttggtcaa accaaagttc aaaaaaaagc 688 ttctggcctt tcctttatcc cacttgca <210> 187 <211> 779 <212> DNA

<213> Homo sapien

400 405	
geaaaaaca gatacatttt cagtgtttaa aaatgaacaa gtaactgaaaa gtctcctttg ggaagccaag gtgggaggat tgagaccagccc aagcaacatg gcgagacccc atctctacaa aagcatggcgga catacttgta gtagtaacta catgggaggc tgagaccagaggagaagaccagagagagagagagagagag	agettgaggt caggagttca 120 aaaattaaaa aatcagccag 180 agaggcgga ggatcacttg 240 agaaagtctc cctcatagcc 360 agaacctggt gttagttctt 420 gtatatcttt tagggaactt 480 agggatttca atacctatga 540 agggtccaca aatctttgga 600 agaaaatgtt tttaaaaatt 660 attgaaaaaa aggggaattt 720
<210> 188 <211> 394 <212> DNA <213> Homo sapien <220> <221> misc_feature <222> (1)(394) <223> n = A,T,C or G	
<pre><400> 188 ggcgamgtct ggycaccatc atgcccttta atcaactcac actgatttgacc ttcatccctt agtttactgg cgttaaaaaa agtttactggg gtctcattat caaaccttta cttatttcgg cgttaacatt cctagtttct gccttacaag caatgctgtt ctgtaaattt agttactttag agatggagga tggaaggatt ggyaccagaa ggtgtcttngag ctgaaagcac agyctactct ccttcgtttt ggccagaaggag ggtgacatgt ttagagtcac ccag</pre>	agteteagea attiteatta 120 catatiteet etgggettet 180 attgaaacet etggaacatt 240 gagggetaag atacgttyte 300
<pre><211> 681</pre>	ctaaatatgg tagaccaaag 120 cctgctgtgg cgcacctaag 180
ctcaagcett cettetetee eteceettet ggeeggeatg g acaaggeatg ttagaateat cagateatga geacegtget g gtcaattett acagtecata etttgettaa ateeteagtt g cagtaatece agetataaat tteeceeaaa tgtggggeet a ggaeteaget tatttteatg ggatgacagg aactggaaag a aaagttatte cagaatagea ttaaceetet taetgtteaa g gaaatgaggg cettgagaat gataceeaaa tattggtett t ecaaatatet gettteetgt teeceaattg gettttaag te	gtatctgagc tcacagacag 240 gggatttagc cctctccaaa 300 gttgaggtct gctctgctgt 360 agataaagta gaaggtggat 420 agaaagggca ttgaaaataa 480 gaattaagaa agcctactta 540 tctaccaaaa aatggccttt 600

```
<210> 190
      <211> 839
      <212> DNA
      <213> Homo sapien
      <400> 190
caaatacatg atttccattg gcatagactc ttctatagtc tctcaggcac accttatgac
                                                                         60
taataagaac actgtcttct agatataagc caagttttag gagttatctt tgtagtttct
                                                                        120
gtgttgagac tatgggtctt ccctgtgcaa agacttgatt agcaaatact atttgaaacg
                                                                        180
ateceaaatt catagtgeag ttgaeeacee ttetgateaa ggggatetet gtatateeea
                                                                        240
tgaaagette ataggtetea eeetagatta agtgetteae tteteaagae agtgaacaga
                                                                        300
tggaagactt ttgtagttat cattatacaa ctgtgccctg tgtgttttat tatacaacca
                                                                        360
gagaactgag gcactggctt tacctgtcag ctacgccagg ggtgtgacgt catctttctg
                                                                        420
acttgatcac acatgccaca ttgcttaata tttcaagctt agactgaaat aatcctqtqq
                                                                        480
taaaaaattt ttggggggct ggggaggtaa agaacaaggg ggggaacttt ggaatatttt
                                                                        540
tattcattaa tcatatttcc cgaattgtat tttattttga aatgaccata agggacttaa
                                                                        600
atacgtattg tggttaaatt aaatggaccc aaatggaggt aagtaaacct aatgggacaa
                                                                        660
atgaataaaa ggtttatgac tgggagcatt tacccatgaa cctccttaga agctatttaa
                                                                        720
cctttctttt ggaaagccct gaaggctggg aacttaaatt ttaaagacag tacctatttc
                                                                        780
cagaatcgct tccaaatggc catgttttaa agggccaaca ttttgggatg gccctgccc
                                                                        839
      <210> 191
      <211> 697
      <212> DNA
      <213> Homo sapien
      <400> 191
ccatcctgaa tactgatttt ctaatggaac tctattcaat ggcgattgta aaaccctgag
                                                                        60
geteegttae tattatggag cataetttea teteattete ggetattggg caatatgtat
                                                                       120
ctcataagat tttatcacat ttcacagatg aactgttaat tgattccatg ggtacgatta
                                                                       180
ggcgagatcc aagctggagc tgcagctctg agtcccataa attctttgtg cttctgtaaa
                                                                       240
gaataaatct gtttttaatg caaattaaaa ctactggcag ggaattttgg ctcccagtta
                                                                       300
ttaaaaagact ggaaatgtgt aagtggagaa aggcaataac tgcagtaatc tcttaccgga
                                                                       360
ctctattata attccaaaca tacataatgg tgagaaaaac cgggaaggga agaatgtggc
                                                                       420
aatgtccact ctttgcccca aacataaccc ttaatttcca tggcgggccc aaacactggt
                                                                       480
aaaaaccaaa atggtaccct ctatagcatg caacttttat ttcactccaa acgaaaaatt
                                                                       540
attttgacta tggcttggga aatccattag tagaagaagt tttataacct ataggaaccc
                                                                       600
ggccatttca tttctaccaa atcacaggaa ttttagaatg ggcaaggaat ttacaggaag
                                                                       660
acttgcccaa ttatcttttt ttgggggact aaaccaa
                                                                       697
      <210> 192
      <211> 687
      <212> DNA
      <213> Homo sapien
      <400> 192
ctggttacta tagctttgta gtataattta aagtcaggta atgtgattct tccagttttg
                                                                        60
ttatttctgc ttaggatagc tttggctatt ctggatcgtt tgtggttcca tataaatttt
                                                                       120
aggatagttt tttgctattt ctgtgaagag tgtcattggt actttgatag ggattgcatt
                                                                       180
gaatctgaag attgctttgg gtagtatgaa cattttaaca atattgattc ttccgattaa
                                                                       240
tgaacatgga atgtttttcc tttatttggc gctctcttta atttccttca tcagtggttt
                                                                       300
ataggtttca ttatagagat ctttccttct tttgggtaat tcctacgtat ttaatttatg
                                                                       360
tategetatt getaaatgga atgaettttt aaatttettt tteaeattge teetggtgge
                                                                       420
atattaaaag ctactgatgg atggtgattt tggattctgc cactttactg gaattggtgg
                                                                       480
```

atcagtteta ategittet tatgeaceee titaeggitt etacatgiaa gaatatatea eetteaaaca eggataatit gaettettee eeateeaati gggaggeeet titatatette tetiggeetg aaggetetae titaaaaette titateeetti gitggaataa eagiggggae aaatggaeat eeetigteat ggiceea	540 600 660 687
<210> 193 <211> 493 <212> DNA <213> Homo sapien	
<400> 193	
ctgctaaaat gatgttgcta aagcattcct ttttcttttg attaaacttc atgtttacaa aaaaattaat tctagcagaa taacgaatgg ttttgttttc tagttctctg ctgaatgaac agttttgcca attatcttca tagagtagtg atataatgaa tgcaacctca aatgcaaacc aaccaattca cagtccatac cccaatcact tccttcatca gcctcaaaaa tcgctaagtg aaccagtaga atggttttgg agcagtaata ggaaagcaaa tagaaagtca agggggactt tcaacgccaa caagaccaat tcagatcctg atctgactgg tttctaatac aatctctttc cagagtaatg gagcatgagt ctgccacaca gaactttaga gagagtcctt tatttcaaag actgtaaagt tggaagaatt cattcatctg caaagtcaaa tgtcaaaagt tgtgcttccc actcctcatc agg	60 120 180 240 300 360 420 480 493
<210> 194 <211> 424 <212> DNA <213> Homo sapien	
<220> <221> misc_feature <222> (1)(424) <223> n = A,T,C or G	
<400> 194	
cyagggcant tnagcangas aaggaaatan mggggattca attagggaac wraggakarw caagttgtcc stgtmtgcag atgmsgtgat tgtatatcta gamcacccca ttgtctcagc ccaaaatctc cytaagttga taagcawctt cagcarmgtc tcasgatscr acmtcwatns gcraaantca cmwgcattct tatacaccaa tawcagacaa acagagagcc aaatcatgag tgaactccca ttcacaattg ctacnmaaga gaataaaata cctaggaatc caacatacaa gggatgtgaa ggacctcttc aaggagaact acmaaccact gctcaaggaa ataaaagagg atmcaamcaa atggaagaac attccatgct catgggtagg aagaatcaat atccgkgaaa atgg	60 120 180 240 300 360 420 424
<210> 195 <211> 229 <212> DNA <213> Homo sapien	
<220> <221> misc_feature <222> (1)(229) <223> n = A,T,C or G	
<400> 195	
tgaacaccct tnggaaggaa cctgctcgna tgtannanaa anggaccgga cagtctgcta aaatcgccct ctttagacgc ggcgccgg ggcagagttt ttctctggtg ctttgacctg	60 120

tatttggttt aatggttttg tootaatoto ttoaatoaat aaaattgtgo gtatttaact aaaaaaaaaa aaaaaaaaaa aaaaaaaa	180 229
<210> 196 <211> 557 <212> DNA <213> Homo sapien	
<pre><400> 196 gcggtggctc atgcctgtaa tcccaccact ttgggaggct gaggtgggca gatcacttca agttgagagt ttgagaccag cctgggcaac ataacaaagt gagatcttat ctctacaaaa aaattaaaca aacaaaaaaa caaatcaaca ttcatttgca gggctctttg gtcttcttaa agaacaaaca tatgaaataa ataagctgat tcttaaagat aacaaatata atgagctttc tcaactgtaa aagcatctct aagttgttct atcaatgcat atccactcca tgaaactaacc tgaagaaagt gttgaccatt ctacccaatt aactgtaaac taagattgct ttaatggttt gcctaaattt gagtaccttt aaatttttgc tttttatcca aattcattct cccttctca aattaaatag ttttgttaga aatcggataa gcaagatgta ctttttagaa agggcaatag aatcctacaa catgctagaa tttgaaatgt ttttttaaat cagtmmtttc tctatgctag</pre>	60 120 180 240 300 360 420 480 540
taactaaqaa aattata	557
<210> 197 <211> 624 <212> DNA <213> Homo sapien	
<400> 197	
ttttactacc tatatttaaa atgatccctg acgcccctca agacaaatat attaattttt	60
ttactttgtg ggatagagat cagaaaaaga gtagagatga aaatactgga gaaacaatgc	120
aggagatatt tatgaggtga gaatgtcaag aaacttgtaa agggagaata ctataatgac	180 240
ccctgaagag agagetttag accagttgag tattagaggt tgccacgtgg ctattcatcc	300
actaataaat acaagaaatt actaaaatgg aagccactgg aaatatgttt tgaggaaggt	360
gagaatgtgg acctattata aatgggtgaa tatgatttct ttctcattaa gttcataaat	420
aactttcaga catgtaacag tttatgaagt gtgccgtagt catttagtat aagttttata cacaaaagtg tttttactaa gactgtcaca ggttcttttg tgaatcttgt ttgtttttcc	480
tcattgtaaa tactgcaata gaacatttgt gtcttaacat aaggcaataa atgaccttaa	540
gaacetteae ttttatatag aaagtggagg aaaagttgge agagtaattt gttgattata	600
gataaaagct cttgtagaaa ttgg	624
<210> 198 <211> 175 <212> DNA <213> Homo sapien <400> 198	
ttttttttt tttttttt ctaacactta tgcatttatt ttcatgtgta agaagaaaaa	60
cqtaactagc acgtgaacat gactgcatgg atacacggct cagcacgagg ctaaagtcag	120
aagtgagtga aagcaaaacc gcatgttgat ttaagtgaaa taacagaaca gaaaa	175
<210> 199 <211> 871 <212> DNA <213> Homo sapien <400> 199	

ctgttgatca atgatgagct ttctcaggaa aagcatcacc ttatttttaa aaaagccctg tacagtccat acggttcaga	attgttcatc acattttatg cacaatggac	ttgctgcaaa actgctgctt tggggataga	atgtatgcac ttctaagata gacggctata	aagtatcttt ttttcaaata gtgccgataa	60 120 180 240
tggagaaact agccagagct acctcacaat atgtgagact ataaagactg tgtttgcaaa tcccagatgg tgacagttaa	tgacgtcgag tacttagcct	tggcacggca gcacttcaag	tactctggcg ataccaggca	caggcacttg tctaagcacg	300 360 420 480
attttacaga tgaggaaaaa caagtaagtg atggaacagt tttgccttca ttaatttctt	gagacacagg ggctcagcca	gatgtcaata tgaagctatt	tcttcctcaa gctgttaacc	ggtcacacag actaggttga	540 600 660
tgtcgtttga ctcttggcta taaatatgtg caactccttg ccaaacacca tcccaagtta	ctgcttagag gggacatgac cccctaacag	gaagattcat caggcaaaag gtcttttctg	tctattattt ctggatacag	tctaacttag aaatgtatgc	720 780 840 871
tatatttgga aaaattttta <210> 200 <211> 737	aaattttetg	g			871
<212> DNA <213> Homo sapie	en				
<pre><400> 200 gacattttga aggtaacagc ctgctattgc tgaactatcc</pre>	tttgtcttga	gcgataaaag	agaagtaaaa	tactaaagaa	60 120 180
ctgaactgtc catttctgga cattagttta tttatagagt acttcagata gcttgcagtt	gtactctcta taatggagga	tgtaaggtat agaagacaaa	tgactgataa catgcaaata	tgttactttg actaggtcaa	240
tgaggcatcc tttgtgttcc ggttttggag tgcattcatt tctttatttg gcatttgatg aagaaaataa ggacacgaca	agcaaataca acatttttc	ccccttgttc atgtggggaa	ttatccattc attgagtcag	tctgcttttt gtgaggtgga	420 480 540
aggadataa ggacacgaca agtgctccat aaagggttgt gtgtctctag ggggccaggt tccacccagg gtggcgaccc aggaacggaa gggaacc	gaagttttaa taaaccattt	gagccatagg caaggactct	acttggatta ccttctctca	ttgtgaaaga tctcccttgt	600 660 720 737
<210> 201 <211> 493 <212> DNA <213> Homo sapie	en				
<400> 201 tctagaaatg cagcttttat ttaagggtac aagaaattaa	ttattacccc	atttctttca	agtccttgga	aaataacata	60 120
tgagtataaa ctcatctact attatttaat ggttagctct qatttttagc cttcttgcca	tcaaatttat taagttgaat	tttataacac tggtctacat	aacctaagat aatgcgtggg	actcaagata aagaaaacca	180 240 300
aagttattta ccaatttcac actataaaca ttgtaggaga actttctctc tctctctc	aattaaatgt attatagcca	atttaacatg gtcttcagtt	aacattattt ataaccactc	tgctttaaaa caccctcctc	360 420 480
aaactgtcac taa		3	333**	J	493
<211> 283					

<212> DNA <213> Homo sapien <400> 202 cctttttatc tcagtgacac cgtccgggga cgcaggtggt ggtgactcaa ggctagcctc 60 aaagggcagc cccacctcct catcctggac cacagagacc acctgcttgg cgcgccgtcg 120 cttttccgag agggtggctg actccggggt gctggggctg gggctgccgc ccccgccgct 180 gttgctgtac tcctcgcccc agtcgatggg ggctgccctc ggacagcagg tgcaggttgg 240 283 gggcactgtt acgcaagacc atgctgcccg gagaggtaga tct <210> 203 <211> 713 <212> DNA <213> Homo sapien <400> 203 ctgcttttgc gcaaggtgcc actggacgag cgcatcgtct tctcggggaa cctcttccag 60 caccaggagg acagcaagaa gtggagaaac cgcttcagcc tcgtgcccca caactacggg 120 ctggtgctct acgaaaacaa agcggcctat gagcggcagg tcccaccacg agccgtcatc 180 240 aacagtgcag gctacaaaat cctcacgtcc gtggaccaat acctggagct cattggcaac 300 teettaccag ggaccaegge aaagteggge agtgeeecca teetcaagtg eeccaeacag ttcccgctca tcctctggca tccttatgcg cgtcactact acttctgcat gatgacagaa 360 geegageagg acaagtggea ggetgtgetg caggaetgea teeggeaetg caacaatgga 420 480 atccctgagg actccaaggt agagggccct gcgttcacag atgccatccg catgtaccga 540 cagtccaagg agctgtacgg cacctgggag atgctgtgtg ggaacgaggt gcagatcctg agcaacctgg tgatggagga gctgggccct gagctgaagg cagagctcgg cccgcggctg 600 aaggggaaac ccgcaggagc ggcaccgcag gtggatccag atcttcggac gccgtgtacc 660 713 acatggtgta cgagcaggcc aaaggcgcgc cttcgaagga gggggctgtc caa <210> 204 <211> 275 <212> DNA <213> Homo sapien <400> 204 gtagacaagt acagcagatc cagacaccag atctagctag gctaaatgta cagtatctaa 60 cttgatctga actgaacctg tattccttga tgatgcctaa aactacatcc atagaattct 120 ggtgaacctg taatacagtt ctgaaagtac agttttatat aataagatgc tgatctcttt 180 240 attettteaa gtaagagtge tagagaacaa attgtgttae ttgeettggg atttattgaa 275 cgtctggaaa atgctgtctt cctagatcca aacag <210> 205 <211> 694 <212> DNA <213> Homo sapien <400> 205 60 ctgttcctgt acatttaact gaaaaaaaag taacttaaaa taatataaaa atagcactca tgtatgtcct acagttatag gtgaaatttg atattgtttg tcttacatag catacctata 120 gacagettaa gtaaagtgae tgttaagagg gttatgetta ttgatgaaet ettgtagttg 180 cttaccagct ctgttagtat agttaaattg atctcagtag cttcaagtat ttataaaatg 240 gttgaagtcc aaatacatgt gataattaca atacactttg aattaatgga gggtgggagg 300 ctagttgaaa tgcattttat ttacccaagg agtatgttaa aatgatagtt ataaatgttg 360 gaagtttaaa gcaagatact cagtttagtt ctttacaaat cataagaaga acaaaattag 420

atgttgacat tgctattta ggctgtgtgt tttccatatg cttcttgctt tccctgtc aggtggtggc agcaatattg gtgtgattga ggttatgctg gcaccactcg cacacagg cacaatggtg ttagctgggc agaaagagtg gcatctctgg ctaccgggct gggggcga tttaccatag gatgaagtaa ccttgcattc ggctgcaagg tgtactgtac	eg 540 ec 600
<210> 206 <211> 704 <212> DNA <213> Homo sapien	
<220> <221> misc_feature <222> (1)(704) <223> n = A,T,C or G	
ttttttttg gnaaaacag ggtttcatca tgtttgccag gctagtctca aactgctgctcaggggat ttgcccgcct cacccaattc aactttcgta agtcagtatt taccatctcagtgtcc caaaatttaa aatttccttg cactttacag caaaaataca tattggggctaatatagca gcttatattt aaatatgtac aggtatgtat gttttcacag ttagatctcaaaaattt atatttgata tgttcaaaaa tacttctatt ggctataaat aatattttaaagctcaact gatcaaaatg cattccaaga acatatcaaa ttaaataaat cttctacgtttaaaaaca gataattgaa gtcagtaaag cttgaggttt gtgttaaagtg tattctggggtcctacta ctagggaagg cagaatcttc taaatacgat acgaaagaaa ctcccaaacttggaaggaa tcggcagtc ctgaactttt tggggggggc atccctcttc gggattgaccacaccttcc ccgtcaatgg tggtccccca accaccttca acgacaatgg tggtccccca accaccttca acgacaatgg tggtccccca accacctta acgacaatgg cacaccctta acgacaccacacc	aa 120 ct 180 ca 240 ct 300 aa 360 cc 420 ca 480 gc 540 ca 600
<210> 207 <211> 225 <212> DNA <213> Homo sapien	
<pre><400> 207 ccattttaac tgtactgcca atagaattct ggaattgtgg aaaattgtat cattgaag cagtaggatg tgtggcttaa aaatttatca ggaccacaaa aaagaaaaca aaaatatt gtactgaggt tcattgccag ggcaggaggt atttccagaa aatactcatg cctgtgtt gttccttgct ttcccaaata ctgcatgtga ctttcctaag cggca</pre>	tg 120
<210> 208 <211> 678 <212> DNA <213> Homo sapien	
<220> <221> misc_feature <222> (1)(678) <223> n = A,T,C or G	
<400> 208 cctatatcta tcaaaaaaa tccagttcct aactaataat ctcccaaaaa gaaagcac ggaccagatg atataaatgg caaattttt caatcattta aggacaaaat aataccaa	

ctgtatcatt tcttccagaa ca agcaaaacca gataaagcca tt atgcaaacaa aatttaacat aa tagagattaa ggaaagaatg tc tagctagctt tataaaataa an agatacagtg aaggaggaag aa ggaaatcaca gagatttgaa ca ggttggagtg taatggcgcg at gattctcctg ccctcagcct to ccatgccccc agctaaat	cacaagaga ga atatttaat ag ccccttcac ta naaaaacca na aataaaatt tt attttttt tt	agtgacaga g gtgaaaaac actcccata aaaataaaa tctttgcgc tttgagaca ctgcaacct	ccaatgtggt tggatgctct caacacctta taaaaggtgt ataacatgat gtttttgctc tcacctcccg	tttattgagg ttccctaagt ctgaaaattc acagactgga tcttctatgt ttgttgccca aattcaaggt	180 240 300 360 420 480 540 600 660 678
<210> 209 <211> 720 <212> DNA <213> Homo sapien					
<220> <221> misc_feature <222> (1)(720) <223> n = A,T,C or					
<pre><400> 209 attattttga accctagcat tt aaagtatgca aagagtagga ac ctttttgcta cctctgataa ac ataataaaag gaggtacaca cc gtgaggactc agtgagaaga cc gacaccttga tcttggacta ac actgcnagaa aataaatttt tc agccctaaca aattaaaatt at acagtaaagc attcatggtc tt tgcaaaattt taacacattt cct aaatataaaa atagaaggcc ac taaaattcta ttacaccttgg aca actgcaaattcta ttacaccttgg aca </pre>	attattetg at gaatagaet aa ggaageaea ag aageeaagg ag eectgtgga ea ettgttaa ge tattttet ta tetaeeaet ac aaatgeate at aaatgeate at aaaatgeate aa	tgacatatg aattotoca gggatgtgt gccaggtct accttgatc ccacccana gagaatata attaataaa ctgtttcta ttaaaacga	gagggttaca agaccaatct gcctctggag tggaagaagt ttggactttt gtgtantgtt aaattctaat tccatcaaa ctctcttaaa tgtttggga	aaggagaaaa gactggtgtc gaaaggtcag caaccctgtt agcttccaga ttgttatggc ataacatttt cagaaagttt actactccgc ctaatggcct	60 120 180 240 300 360 420 480 540 600 660 720
<210> 210 <211> 277 <212> DNA <213> Homo sapien					
<pre><400> 210 tccatgtatt tttatacaga at tgaaataaaa cagtataatg aa ttacctatga cattggcaag gt tcatggggaa atagccactc aa tggagggcaa tttggtgata ca</pre>	aaataacaa ta tottottaa aa aatgttact ca	agattcaaa aaatctgcg atgagagtg	caatgatatg aataaccgat	ctatttttt gttggagaga	60 120 180 240 277
<210> 211 <211> 715 <212> DNA <213> Homo sapien					
<400> 211 gtggtagaaa tactaatttt go	caattacag aa	aaaaacaa	atgccattca	catggttyct	60

<400> 214

aacaaaaagt gtctgaccac (cccacccc	cacccctcaa	aaagccctta	aataaagagg tataggagag	120 180
adyattadaa yadaataaaa	natagattta	gtattagga	tagtatgctg	tcaaaaacca	240
gaagtggcaa agtttaaaat a	aatyeettta	cigicaggac	tageacgeeg	gatgtgttta	300
caatcetttt gttttagtga	geegaeeee	aatayaaaaa	cacaacyaa	ttattttaa	360
agttccaaca tggattgagc	acctctgaat	ttagtatcaa	atgattaatt	trattitica	
gatgtcaaat cttagtataa	aattttccat	tattttaaac	ttcacttgaa	tctttaaaaa	420
agctgtctaa attgtactat	atgagttcag	tttaatcttc	tgtaaaatgc	taacaaattg	480
aactgtcagc agtcttttaa	aaaaaaatgg	gggctgggtt	atttctagaa	gaactctcat	540
taagetttga aaateagaaa	tcagagacaa	ataacttcag	atatagacta	gctccacaag	600
caaatttata caattatctg	taacagtcta	tacatatatg	tgtatatata	tataccgtaa	660
ccactttcat aggtaaaaaa	tattaacttc	atgtcacact	atgatcagaa	gtata	715
<210> 212					
<211> 717					
<212> DNA					
<213> Homo sapie	n				
<400> 212					60
agecteceec aatgeettaa	aaggtcacag	tagatctcag	ctctgaacag	aaactcaact	60
gaaactette ceacaaceca	gcagtagata	tattaaaacc	tacaattttc	agggatacaa	120
ccaatattta attcttttga	gggttttgtg	tttaatacaa	ggacacaaac	acacgtataa	180
aatgacgatg tcaatactga	ttaaacagaa	caacaaaata	agaagctcaa	attatcatca	240
gctattgtgt atatctgaaa	taacaataat	gcacttgatt	ctgaaagaat	gattagagtt	300
cctactctga aaatctaatt	gtcttgatgt	ggcgaagtga	gaagaaagga	tgatttttct	360
aatgaaaagc atgtatacgg	gtagcccttt	gcgagattct	gtcaaaaccc	tgaattttgc	420
attagctgtt ttaccaccca	aacgttttta	cccgaggatg	tgcagcaatg	ggaactctca	480
tacactgctt gtgggaatat	aaatcaqtat	aaccactttg	gaaaaccatt	taacattgtc	540
aactacaget ctacacacaa	gtgctataac	cacccattcc	actccagggt	atacacccta	600
aaaatatgaa gtgcccatgt	ctacccaaaa	gaccacctaa	aaggaatgct	tttqaqaaqq	660
gttaaccttg ttaattagtg	gcaaaactgg	qaaaacaacc	cccaaatggt	cccatcc	717
	3. 33	3			
<210> 213					
<211> 599					
<212> DNA					
<213> Homo sapie	n				
<400> 213					60
cctgttttgg cgaggcagga	gggaagcggg	atgggagtgg	tggttaggcc	aagggtagtt	60
caaagcgatt cagcaggatg	atgaccacag	gagtgctgga	gccgggcctt	tcagcccccg	120
tgtggatgat gaccggccat	ccaggacatg	cgagggcttg	ggacagtgga	cagccagtgc	180
cacacaagga aggaccgatt	aaatgacaca	gttaaaggaa	tttggcctag	ggagtgcaag	240
ccagaaaggt ttggtctttt	tatatatgta	acattggaaa	aaaggaacat	ctcctgttcc	300
ctgtattaag ttttgacttt	agctcagcaa	atgcagtgtt	tgtggcagta	aatatactct	360
gataacaatg ttctttccca	ggaatttaga	gttttatgat	ggttattgaa	aatgtttaca	420
tgacaggetg tcaataatat	tttttgcctc	taaaaataaa	acatacataa	agtgtacgga	480
ttttaagtat gcaactcact	gaacttttca	taccgtaata	caccacccta	gtaaccctcc	540
cccagttcaa gatgtagact	gtttccaata	acccctcatc	ctgttcctta	atagccccc	599
	_		-		
<210> 214					
<211> 789					
<212> DNA					
<213> Homo sapie	n				

ccttatgaca aaccttgcta tgcc	aaggat atgetteact	atcttcatct	atcaaaacac	60
tatgcatcat agatatctaa tttt	ttcatc tcttgcatga	agtctttcct	gatttccctc	120
tgctgaaatt tctctcttca aatg	atgtgt ttccatagta	ctttatccct	tttcaaagat	180
atateteaca tegeatattt tace	acagtt agtttcattt	cttaactctc	acactagatt	240
acaaagtcaa tatagacaaa gaaa	etottca accttatata	acctcctctq	cctatqctqq	300
taaattgcac ctactatgtg ttca	ataaga gcttgtcttt	ttcaatatac	aaaactttqt	360
aaagattaaa gaccttgtag aaag	rtcaaga ggaagatagc	aatttcactt	ctaaqaactt	420
accetaagga aacatteatg aaga	agataca aggggttatg	tgcatggatg	ttcattatca	480
tattattett cattatgaag atta	atgatgg taataatgaa	aatgattatc	ttgtattggg	540
ccttatttga agtcaagcat tgag	raatgta ctttatctgc	attatctcac	tgagttctcg	600
tagcagcct ataaggtaca gact	gttatc taagettaaa	aaaataaaqt	taatqtccaa	660
ggtcaaacaa ctagtaaaag aagg	gggcta ggaaatttgg	aaccccaaaa	qqqqcaacct	720
ctcaagggct atgaatcctt acca	attatta taaggaagct	tagcccatag	tggcccaaaa	780
	teedeed edagganger	-5555	- 55	789
aaaaccggg				
210: 215				
<210> 215 <211> 765				
<211> 765 <212> DNA				
<213> Homo sapien				
<400> 215				
ggatgtctga gcaggagaga gacq	catotoa aggatogact	gaatggagac	ttotatcaaa	60
gagtetgagt atcaaagact tgta	ettagag agggttgttg	tagtaatcta	gtcagggtat	120
gagaaatggt ttgtattaga gtg	caggag tagtcgtggc	aaaaatatat	agatcaggat	180
gaggatagg ceteatetea cace	cctdact ccadtcaatd	acaataactc	cctggagtac	240
actactatag gaaggatttt gtaa	agettt gtctggcctc	agtggaggt	gaggtaggg	300
aggagtteta tgaacagtta gtg	atatata cataatta	aacaatggag	aagggggaca	360
cctttctgt gcagatgttg ctt	ctggtag atataatcca	caatgtaatg	ggagaagtac	420
taagaatcag taaattatgg agg	rtgtaaa agactactga	tatttaagcc	tacaaaccaa	480
acttagagaa atgatagtta aag	ragaaat atccagcaaa	caaagatatg	acattgaagt	540
ttgggactgc gattagtacc agag	gatttag attagaggta	atttgtatag	aatggatagg	600
tgattttact cttgcaattt gga	ttgaggg gtggggaaaa	ccadaaaddd	actagaagat	660
aaattagtag aaggtcacct tga	atteatt gtggtggaaa	tcaatgctga	aactgattgg	720
ggaacttttt actcttgagt ccc	tttataa gagaaccca	gaaag		765
ggaactittt actortyagt coc	eccycaa gggaaccca	gaaag		
<210> 216				
<211> 780				
<211> 780 <212> DNA				
<213> Homo sapien				
(213) Homo Bapien				
<400> 216				
ccttttctg tggcaaatgg agg	cttttca ctgcctgtag	agacaataca	gtaagcatag	60
ttaaggggtg ggtcagaaca tgt	taagata acttactgta	tatqtattcc	cttgtatttt	120
gttaaagctg gaacatttga tat	ttttcca tttatttatq	aaaaaatatq	aacctatttt	180
catttgtaca aggtaattgt ttt	ttaaagc aagtcacctt	agggtggctt	taattqtata	240
agtcaagcac atgtaataaa ttc	aaaacct gcagttaaca	ggatattaga	catcaatcct	300
ggtaaccaaa tattaaagat tct	ctttaaa aaagactgaa	catotttaca	ggtttgaatt	360
aggetaaaag gtettgeagt gge	ttttcat ggcccttcaa	attogaatog	aactactgta	420
ctttgccatt tttctataaa tca	ctacttt tttttaatt	ttgatataca	ttgtgtgaaa	480
aaagaaaatg gctaataaac tgt	attaaat ottaaacaat	gtataaagat	tgcacttagc	540
cagttcaaag tgtatactta ttc	ataatga attataagag	ttatatttct	gtgttttctt	600
gtaaatgttt cttttccctt aaa	tacadat aattoattto	tattocttat	tttattatga	660
gctacaacaa aaggacttca gga	acaadta atdtattadt	atggttcaag	attottoata	720
ggaactgtct caaaaggatg gtg	acaayta atytattayt	taggtaatgg	gggtggtaaa	780
ggaactgtet caaaaggatg gtg	gilalli laaalalaaa	cagocaacgg	2230330000	

<210> 217

```
<211> 810
      <212> DNA
     <213> Homo sapien
      <400> 217
                                                                        60
cttttaggca gcccggcacc ttcatccata ggcagagaga gaactgggtg ttggagactt
                                                                       120
attcgagggt ataggaaggg ccctgtgaag ttgatttaac ttttggatgt cagactgtga
                                                                       180
aagctcctga gaaacttggg gtaataggat cttcttttgg ggatgaaaat ggggaaggcg
tgaggaccta gactacttct ccctaggtca gaaaaagaga attacccctt gacaaatatg
                                                                       240
                                                                       300
atacctgcta ggtatttccc agggaaattt agggattggc gtctttccct agcatgtgga
                                                                       360
ggaattggca gacagettee taagggeggg gageggggge ecaaggetga eactgettge
atccacgtga ccttaagtta tggcagatga ctctgaaacg gactgaggcc aatgagaaca
                                                                       420
gatggatgga gcactcaggt tagacttgtt ccttctccta tgctggagga gagggatggt
                                                                       480
tctctagaat gttggaggtg agttgagagc tcgcctcttg aatgttgaac agtgtactct
                                                                       540
tctgaaaact gcatattcac tttatgtggt ttcagaatac tgggctcaat actaacataa
                                                                       600
gaaagacact tcattgagaa attcttaagc ttacagaaaa cctatctctt tgcacattcc
                                                                       660
acataacccc tagcaaaatg caggttcttc atacttctgt cctttttcca ttggaagaat
                                                                       720
tgcttaagga aaaattaatt cctatttatt cccacaaaag gttgggcatt gctttgattt
                                                                       780
                                                                        81.0
taccccatgg gggaatgtgc ctttgaattt
      <210> 218
      <211> 817
      <212> DNA
      <213> Homo sapien
      <400> 218
ctgctccctt atggaggtct cttcattaat aattattgga tagatagaga aggtgagcct
                                                                        . 60
gtggcttcca agtaccggct tttgctgaag gtctacatgg gaagaagagc atcatttgat
                                                                        120
attcagtaga tctgccacac ccaactggct ccatctcctg gaaaacagca ctcactacaa
                                                                        180
gcaactgtaa tagcacccag caatgaccac gctgctcctg ctggctcttc cgtacaccag
                                                                        240
                                                                        300
taaatgaact caccaatgta ttgcacacat acatttcaca gtagtacaat aaagccctgt
atcaggagtg gtaattcaat gacttgactc tatagtgcac tgcagcttta tgtcatacca
                                                                        360
acattcaaat attcaaatat ccttccaatc catttggaca aaaatacacc atggctgcca
                                                                        420
agacacatgt attitictit citccatgga cicctaaact gcicccacaa icagcagigi
                                                                        480
tottototca gaaattatot taagottoto taotoaatgg gaggtacaca cagagacotg
                                                                        540
agaatatgca gaggccagaa tctctgtctg tgctagagat caactgtact ctgcccacct
                                                                        600
ggggaacaca teetetgggt aaagtaeteg gaagtaaatt acatteeetg gagacagata
                                                                        660
                                                                        720
cgggctttca ctgcagcctg ttagaaaaca caatgtctgt aagttacctc ataggtcaaa
gagttttgga ttatattttt cataatgggg ctatggcctt tttaccctgg ttttaataca
                                                                        780
                                                                        817
gaaccacctg cagaaaggac attgaaatta aaagcca
      <210> 219
      <211> 661
      <212> DNA
      <213> Homo sapien
      <400> 219
ggatgctgag gcaggaggat tgagtcctgg agtttcagga tacagtgagc tatgatcatg
                                                                         60
ccattgcact ccagcctggg caacagagca agattctgtc tctaagaaaa ggaaaaagaa
                                                                        120
                                                                        180
aatgaataga tagtggtatt agatgttaat gacatcagtt gtttttattc tttattcttt
                                                                        240
cttagaaaca gattagtttt ctcgaattaa agaactacca tttttctttt ttctacaact
ttcaagagct ggtgaagaaa tgatgtttag atttaataga tatagtagca gtcatatatt
                                                                        300
```

```
aatagaatag aaactgagac tctaggaaaa agatagacat gagataagga gtaggcatgg
                                                                       360
tagacatttc tagattattt atgaaaatgt tgtagaattc atttttttt ttggtctgac
                                                                       420
ctttggcaat ggtgctgagg aagggaaagc cagcccatca ggcaaggctc tgttttctgc
                                                                       480
attttatccc gtttgattct tctcgttagg attggagcaa ataatttcaa tatgttcttc
                                                                       540
gctgggttta tcatagtgac ccttcattta aagggacttt taacaattga cttaaagaac
                                                                       600
actgagatgt gatattttat tgggatttga aagttgccat tgggttttac cttccttaat
                                                                       660
                                                                       661
      <210> 220
      <211> 792
      <212> DNA
      <213> Homo sapien
      <220>
      <221> misc_feature
      <222> (1)...(792)
      <223> n = A, T, C or G
      <400> 220
                                                                         60
cctcttttta ttcctacaaa taattttcaa gtacacacaa ttgggtaaac aaagaaacaa
agccaccaag aatgaaaatc agtaggaata acgaacaaga ctcacagatg tcaaacaagt
                                                                        120
ctgtgggtct tgcagacttc agatgttgga attattagtc gtggcaagng nncaaaacat
                                                                        180
tagctattac cattatgttt accaactagt gaagtgaact atgagaggat atattaacca
                                                                        240
cagaagttaa tagaagaata gactcctgaa aatatctgga tgctacaaac taaaatatag
                                                                        300
tatataatcc ttcatagagt gtcagtgact tcatatttat aattacattt ttgtatatta
                                                                        360
gcagtgttct agttcttact gccttatctt taagctgann nnaaataaaa ttatattttg
                                                                        420
ggattcaaaa acacatagct aatgattact atgtggcagt gttacattac tttatcacat
                                                                        480
atcattaaca taatctgcat gtgttcaaag agatcttcat acttctttgt agctcccact
                                                                        540
tctttgtcgt ctttgtagct cccacaacat ctagaacagc acaaccgtat atggagaaaa
                                                                        600
ctcagtctag tattcgttga atgactaatg gaaaatttag ttnataaaca gaactttctt
                                                                        660
                                                                        720
cattgnacaa attatcttgc agaagaataa tggccttagt ttaaaaattat catatttacc
catnteneca ngttatttta tetettttgg etaanaattt tgaaaaeggt acettttaee
                                                                        780
                                                                        792
ctttggcatt tt
      <210> 221
      <211> 759
      <212> DNA
      <213> Homo sapien
      <220>
      <221> misc_feature
      <222> (1)...(759)
      <223> n = A, T, C or G
      <400> 221
cttttctgct gctccgggag gtggagtggc ctggcagagg gcacatggct gccacctgct
                                                                         60
gcaaggaaaa ttctcagtga agactcctca gtatgaagga gataagcctg cacaatcagt
                                                                        120
cactgataga tgcttagtgg aaaaacttcc aattcccatt tacagctctc agagctagga
                                                                        180
ttaaaaactc ctggtcataa actcatgtga tgagaagtta tagcacgccc tcattttcta
                                                                        240
                                                                        300
catanccact tgcatttatg gttggctttt gaacttgcta gaagggaaag aagtgcaaat
                                                                        360
gtgtcctcct tagagctact ctcctcccct tggtgggttt ccagtttgtg cattgtccag
                                                                        420
atggcccagg agctgacgat caaagggaag aagtcatgtt tgtcatgaga atgctttgct
                                                                        480
gcatcaggat tcagtgaagc tgttcaccgc ctggagccca tgcagcctca agaggcagga
tggagctcag aaaccatcac tgaggttaga aagtgagcac caaagttgag ggaagcccac
                                                                        540
```

```
aggagtgage egaagtgete eetttggatt teeaaagtgg gtgetgetge ttetteeate
                                                                        600
agecttgett etgaceccaa tgegtteetg gtgeettett ettggeattt tgetgteggg
                                                                        660
                                                                        720
ggcccaagga aaaaaattcc tgcatggcag tggtgaaaaa agatggctgc ctgctgaaac
                                                                        759
ctgatttggc ctgggtaagc cttttggagc cccggttaa
      <210> 222
      <211> 699
      <212> DNA
      <213> Homo sapien
      <220>
      <221> misc_feature
      <222> (1)...(699)
      <223> n = A, T, C \text{ or } G
      <400> 222
ccttntnaag agttggcatt aattcttcac taaatgtagg agtagaattt atcaggtaag
                                                                         60
ccacactgac ctctggnctt nttnncgccc gatgattttt aattagttga atccctttac
                                                                        120
ttgttatata tgtattcata tattctgttc cttcttggat ttacttttat gattggtgcc
                                                                        180
                                                                        240
tattgaggta tttatttcta gtttgtggta cttcatgtgt ttaggttttc tagacagtgg
acatagaaga ttcaagaagc taaatgtagg agaatgtnta atgtaggana ntgaggcnac
                                                                        300
                                                                        360
natatcatca atgaatgact tgaagtttcc tctgttgtaa agaatgatat taccataact
gccatagnta atattgatgg tgtaagtcaa ataanaaggc aggaggaaag ggacatccat
                                                                        420
                                                                        480
cactgaacca canatcagag neteattgaa geetttgaga agaateeaca aaattttaca
ggataattca tttcctgcga tcaccacnag aagagaaact ggttaaacag acaggtattc
                                                                        540
                                                                        600
cagagtecaa aaatttacat ttggttteng aaccaaagae etcageteee aggeeacage
                                                                        660
aaaagggggc ttatgaattc cctggcaccc agncccaaga cccaanaacc tcatcttgat
                                                                        699
tggtttnggg cttgggaaac caaaaaacca atgggtggc
      <210> 223
      <211> 598
      <212> DNA
      <213> Homo sapien
      <400> 223
                                                                         60
aaaaagagaa agtttcagat ttgccattca aggcttattt atatatatgt gtgtgtatat
aaatacatgc acacacttgc atacatatat atttttggct gggggagtgt gagttttgcc
                                                                        120
tttctaaggg agggaccgcg caggctcctt tgttctgtat tctggcggag atgggtcctg
                                                                        180
                                                                        240
gccttgtgtc actggcttat ccttaaagat catctcccat cctccccagc gccatctgtg
tgcagcaacc agaaagggat gaacttggcc ctcttgcggg cctggacaag gtctcttcct
                                                                        300
taccetttet gttgecagte ageaacetgt aacteacatt etetteecag tgaateeetg
                                                                        360
ggagcgcctg accctggtgg gctgttcagc ttcctgctgc tggggccagc aatttttgag
                                                                        420
gatttatett taggecagge ttgeeteegt aettateeet geteteeeat ttetetettg
                                                                        480
                                                                        540
tttgagagag aatgaggaag caaagagtga gaaagaatag gggctgaaga cgccactccc
                                                                        598
agatggctct ttctatcctg ctcttctgtt gaaacacacg tgctgtgggc ctcaggcg
      <210> 224
      <211> 501
      <212> DNA
      <213> Homo sapien
      <220>
      <221> misc feature
      <222> (1)...(501)
```

<223> n = A, T, C or G

<400> 224 aaacctttat gatgacttcc ttatgaatta ctgaacgaac actggaatgg gactcaggta	60
teetgaggae ateteteaae tetggeetta gtteeceete tgtaaaatta gggtgeeaae	120
taaatgatet acaaggteee ttecagegee gecattetgt aattacatea tgtgtaactg	180
tattaaacat acacaagtga ctgccaggca tgggaatgta acttccgagt aaatgctttg	240
gtttgttcag aatacactat gaacttcttt ccaaagacgg gttgtggtaa atagtggata	300
ttttgattat aagaaataga gtttccttga agctttagct ggagatacag caatagtgtg	360
qtqttcctac aaatatcaca gtgtattcaa acatattttt ctatcaaaaa tcatttttgt	420
aaaagctgtg tgtttttatc caacttgtga taataaatgt tctttatttt agaacaaana	480
aaaaaaaaa aaaaaaaaa a	501
<210> 225	
<211> 295	
<212> DNA	
<213> Homo sapien	
<400> 225	
cctgtatagg gctcgtttcc ccacacatgc ctatttctga agaggcttct gtcttatttg	60
aaggccagcc cacacccagc tactttaaca ccaggtttat ggaaaatgtc aggaaaaaaa	120
aaaaaaaaaa cacatgcact cacacaatac ccaaacatca raattagaag ggcataaaac	180
agggggcttt ataggctgaa aaatatctta ratttcaraa cagaatacca atcaaatatt	240
gaaaattoot ttgttoaaaa cacaaagatg ttttgttttt aatgggagtt ttttt	295
<210> 226	
<211> 372	
<212> DNA	
<213> Homo sapien	
<400> 226	
<400> 226 agattcctgg cttagagcat gcgagcattg aaggaccaat agcaaactta tcagtacttg	60
agatteetgg ettagageat gegageattg aaggaeeaat ageaaaetta teagtaettg gaacagaaga aetteggeaa egagaaeaet ateteaagea gaagagagat aagttgatgt	120
agattcctgg cttagagcat gcgagcattg aaggaccaat agcaaactta tcagtacttg gaacagaaga acttcggcaa cgagaacact atctcaagca gaagagagat aagttgatgt ccatgagaaa ggatatgagg actaaacaga tacaaaatat ggagcagaaa ggaaaaccca	120 180
agatteetgg ettagageat gegageattg aaggaceaat ageaaaetta teagtaettg gaacagaaga actteggeaa egagaacaet ateteaagea gaagagagat aagttgatgt ecatgagaaa ggatatgagg aetaaacaga tacaaaatat ggageagaaa ggaaaaecea etqqqqaggt agaggaaatg acagagaaac cagaaatgae ageagaggag aageaaacat	120 180 240
agattcctgg cttagagcat gcgagcattg aaggaccaat agcaaactta tcagtacttg gaacagaaga acttcggcaa cgagaacact atctcaagca gaagagagat aagttgatgt ccatgagaaa ggatatgagg actaaacaga tacaaaatat ggagcagaaa ggaaaaccca ctggggaggt agaggaaatg acagagaaac cagaaatgac agcagaggag aagcaaacat tactaaagag gagattgctt gcagagaaac tcaaagaaga agttattaat aagtaataat	120 180 240 300
agattcctgg cttagagcat gcgagcattg aaggaccaat agcaaactta tcagtacttg gaacagaaga acttcggcaa cgagaacact atctcaagca gaagagagat aagttgatgt ccatgagaaa ggatatgagg actaaacaga tacaaaatat ggagcagaaa ggaaaaccca ctggggaggt agaggaaatg acagagaaac cagaaatgac agcagaggag aagcaaacat tactaaagag gagattgctt gcagagaaac tcaaagaaga agttattaat aagtaataat taagaacaat ttaacaaaat ggaagttcaa attgtcttaa aaataaatta tttagtccgt	120 180 240 300 360
agattcctgg cttagagcat gcgagcattg aaggaccaat agcaaactta tcagtacttg gaacagaaga acttcggcaa cgagaacact atctcaagca gaagagagat aagttgatgt ccatgagaaa ggatatgagg actaaacaga tacaaaatat ggagcagaaa ggaaaaccca ctggggaggt agaggaaatg acagagaaac cagaaatgac agcagaggag aagcaaacat tactaaagag gagattgctt gcagagaaac tcaaagaaga agttattaat aagtaataat	120 180 240 300
agattcctgg cttagagcat gcgagcattg aaggaccaat agcaaactta tcagtacttg gaacagaaga acttcggcaa cgagaacact atctcaagca gaagagagat aagttgatgt ccatgagaaa ggatatgagg actaaacaga tacaaaatat ggagcagaaa ggaaaaccca ctggggaggt agaggaaatg acagagaaac cagaaatgac agcagaggag aagcaaacat tactaaagag gagattgctt gcagagaaac tcaaagaaga agttattaat aagtaataat taagaacaat ttaacaaaat ggaagttcaa attgtcttaa aaataaatta tttagtccgt atgaaatgaa	120 180 240 300 360
agattcctgg cttagagcat gcgagcattg aaggaccaat agcaaactta tcagtacttg gaacagaaga acttcggcaa cgagaacact atctcaagca gaagagagat aagttgatgt ccatgagaaa ggatatgagg actaaacaga tacaaaatat ggagcagaaa ggaaaaccca ctggggaggt agaggaaatg acagagaaac cagaaatgac agcagaggag aagcaaacat tactaaagag gagattgctt gcagagaaac tcaaagaaga agttattaat aagtaataat taagaacaat ttaacaaaat ggaagttcaa attgtcttaa aaataaatta tttagtccgt atgaaatgaa	120 180 240 300 360
agattcctgg cttagagcat gcgagcattg aaggaccaat agcaaactta tcagtacttg gaacagaaga acttcggcaa cgagaacact atctcaagca gaagagagat aagttgatgt ccatgagaaa ggatatgagg actaaacaga tacaaaatat ggagcagaaa ggaaaaccca ctggggaggt agaggaaatg acagagaaac cagaaatgac agcagaggag aagcaaacat tactaaagag gagattgctt gcagagaaac tcaaagaaga agttattaat aagtaataat taagaacaat ttaacaaaat ggaagttcaa attgtcttaa aaataaatta tttagtccgt atgaaatgaa	120 180 240 300 360
agattcctgg cttagagcat gcgagcattg aaggaccaat agcaaactta tcagtacttg gaacagaaga acttcggcaa cgagaacact atctcaagca gaagagagat aagttgatgt ccatgagaaa ggatatgagg actaaacaga tacaaaatat ggagcagaaa ggaaaaccaa ctggggaggt agaggaaatg acagagaaac cagaaatgac agcagaggag aagcaaacat tactaaagag gagattgctt gcagagaaac tcaaagaaga agttattaat aagtaataat taagaacaat ttaacaaaat ggaagttcaa attgtcttaa aaataaatta tttagtccgt atgaaatgaa	120 180 240 300 360
agattectgg ettagageat gegageattg aaggaecaat ageaaactta teagtaettg gaacagaaga actteggeaa egagaacact ateteaagea gaagagagat aagttgatgt ecatgagaaa ggatatgagg actaaacaga tacaaaatat ggageagaaa ggaaaacea etggggaggt agaggaaatg acagagaaac eagaaatgac ageagaggag aagcaaacat tactaaagag gagattgett geagagaaac teaaagaaga agttattaat aagtaataat taagaacaat ttaacaaaat ggaagtteaa attgtettaa aaataaatta tttagteegt atgaaatgaa	120 180 240 300 360
agattcctgg cttagagcat gcgagcattg aaggaccaat agcaaactta tcagtacttg gaacagaaga acttcggcaa cgagaacact atctcaagca gaagagagat aagttgatgt ccatgagaaa ggatatgagg actaaacaga tacaaaatat ggagcagaaa ggaaaacca ctggggaggt agaggaaatg acagagaaac cagaaatgac agcagaggag aagcaaacat tactaaagag gagattgctt gcagagaaac tcaaagaaga agttattaat aagtaataat taagaacaat ttaacaaaat ggaagttcaa attgtcttaa aaataaatta tttagtccgt atgaaatgaa	120 180 240 300 360 372
agattectgg ettagageat gegageattg aaggaecaat ageaaactta teagtaettg gaacagaaga actteggeaa egagaacact ateteaagea gaagagagat aagttgatgt ecatgagaaa ggatatgagg actaaacaga tacaaaatat ggageagaaa ggaaaaceca etggggaggt agaggaaatg acagagaaac eagaaatgae ageagaggag aagcaaacat tactaaagag gagattgett geagagaaac teaaagaaga agttattaat aagtaataat taagaacaat ttaacaaaat ggaagtteaa attgtettaa aaataaatta tttagteegt atgaaatgaa	120 180 240 300 360 372
agattectgg ettagageat gegageattg aaggaecaat ageaaactta teagtaettg gaacagaaga actteggeaa egagaacact ateteaagea gaagagagat aagttgatgt ecatgagaaa ggatatgagg actaaacaga tacaaaatat ggageagaaa ggaaaacea etggggaggt agaggaaatg acagagaaac eagaaatgae ageagaggag aagcaaacat tactaaagag gagattgett geagagaaac teaaagaaga agttattaat aagtaataat taagaacaat ttaacaaaat ggaagtteaa attgtettaa aaataaatta tttagteegt atgaaatgaa	120 180 240 300 360 372
agattcctgg cttagagcat gcgagcattg aaggaccaat agcaaactta tcagtacttg gaacagaaga acttcggcaa cgagaacact atctcaagca gaagagagat aagttgatgt ccatgagaaa ggatatgagg actaaacaga tacaaaaatat ggagcagaaa ggaaaccca ctggggaggt agaggaaatg acagagaaac cagaaatgac agcagaggag aagcaaacat tactaaagag gagattgctt gcagagaaac tcaaagaaga agttattaat aagtaataat taagaacaat ttaacaaaat ggaagttcaa attgtcttaa aaataaatta tttagtccgt atgaaatgaa	120 180 240 300 360 372
agattectgg cttagageat gegageattg aaggaceaat ageaaactta teagtacttg gaacagaaga actteggeaa egagaacact ateteaagea gaagagagat aagttgatgt ecatgagaaa ggatatgagg actaaacaga tacaaaatat ggageagaaa ggaaaacea etagagagag aaggattgett geagagaaac eagaaatgac ageagagaga aageaaacat taataaagag gagattgett geagagaaac teaaagaaga agttattaat aagtaataat taagaacaat ttaacaaaat ggaagtteaa attgtettaa aaataaatta tetagteegt atgaaatgaa	120 180 240 300 360 372 60 120 180 240
agattcctgg cttagagcat gcgagcattg aaggaccaat agcaaactta tcagtacttg gaacagaaga acttcggcaa cgagaacact atctcaagca gaagagagat aagttgatgt ccatgagaaa ggatatgagg actaaacaga tacaaaatat ggagcagaaa ggaaaaccca ctggggaggt agaggaaatg acagagaaac cagaaatgac agcagaggag aagcaaacat tactaaagag gagattgctt gcagagaaac tcaaagaaga agttattaat aagtaataat taagaacaat ttaacaaaat ggaagttcaa attgtcttaa aaataaatta tttagtccgt atgaaatgaa	120 180 240 300 360 372
agattcctgg cttagagcat gcgagcattg aaggaccaat agcaaactta tcagtacttg gaacagaaga acttcggcaa cgagaacact atctcaagca gaagagagat aagttgatgt ccatgagaaa ggatatgagg actaaacaga tacaaaatat ggagcagaaa ggaaaaccca ctggggaggt agaggaaatg acagagaaac cagaaatgac agcagaggag aagcaaacat tactaaagag gagattgctt gcagaggaaac tcaaagaaga agttattaat aagtaataat taagaacaat ttaacaaaat ggaagttcaa attgtcttaa aaataaatta tttagtccgt atgaaaatgaa at <210 > 227	120 180 240 300 360 372 60 120 180 240 300
agattcctgg cttagagcat gcgagcattg aaggaccaat agcaaactta tcagtacttg gaacagaaga acttcggcaa cgagaacact actaaacaga ccatgagaaa ggatatgagg actaaacaga cagagaaacac tactaaagag gagattgctt gcagagaaac tactaaagag gagattgctt gcagagaaac taaaaaaat taacaaaaat taacaaaaat ggaagttcaa attgtcttaa aaataaatta ttagtccgt atgaaatgaa	120 180 240 300 360 372 60 120 180 240 300 360
agattcctgg cttagagcat gcgagcattg aaggaccaat agcaaactta tcagtacttg gaacagaaga acttcggcaa cgagaacact atctcaagca gaagagagat aagttgatgt ccatgagaaa ggatatgagg actaaacaga tacaaaatat ggagcagaaa ggaaaaccca ctggggaggt agaggaaatg acagagaaac cagaaatgac agcagaggag aagcaaacat tactaaagag gagattgctt gcagaggaaac tcaaagaaga agttattaat aagtaataat taagaacaat ttaacaaaat ggaagttcaa attgtcttaa aaataaatta tttagtccgt atgaaaatgaa at <210 > 227	120 180 240 300 360 372 60 120 180 240 300 360 420

gaaaaatttc caagccagag tcatctggaa ttaattaata ccagtagaaa ctattcaat	599
<210> 228 <211> 343 <212> DNA <213> Homo sapien	
<400> 228	
aaagtaaatt gtatgaaaaa ttcatttctt caattgcatt agccacattt tgagtattca tgtggctggt agattctgta ttagcacaaa gatatggaac atttccatca ccacagaaag ttctgttgga cagcactgca ttagaatatt ttcatactgc tcttcctcaa ttaatttttg ttgttaatgt tgatgtcttc attggatggg tcataatgtt ccatgaaacc gctcaagtac acaattgtat gttctttgta tcccttacca caaatatctc gctctgctca tttctttgc agcttcctat aaagtttgtc ttcctcaaaa aaaaaaaaaa	60 120 180 240 300 343
<210> 229 <211> 417 <212> DNA <213> Homo sapien	
ctcaagctgc agtccaccgg gtatggttct ggatggttcc cccaagggag caggtatgta ggaggtgaag aaaactgaga tttcaagtat gggaggttt ttactatctc cattcctga ttaaaagtgc tgaaaaagtc cacagttaaa cattccttta ttcaccctat ggctcccaag aaaagcattc ttcctctgga gtactggtgt actaagggga caatacacca aatttgttga gtttacaatc aagtctacta aggttggact tccttatcag tttggcagag tcccagggca gaataatcat ccatctacag gtctctgtt cctctccctc cgcagcagtg gagagcatcc cagtgtttgg ggcactgtgt tcctcttcgt ccctgcacca gaccctggaa gccttgg	60 120 180 240 300 360 417
<210> 230 <211> 462 <212> DNA <213> Homo sapien	
cagcgactt cagctgaat tagacattat gaataaatg acaccaaaaa tagacatta gatggcagct tatgtgaat caaccaaaaa tagacagct acagcaaatcta acagaataa tagacattat gatgaataag atgtattgag aattcaatg cattaattg gcagtgctat acagcgactt cagctgtaat tagacattat gaataaatgt acttccctt gctgtaaaca atgtcaagaa acagaaataa caaccaaaaa tgaaatattc agttatcct tatgtggcc gatggcagct tatgtgaatc ctcatggata tgtgcatgaa acacctactg aatctgataa gccggccttc tacagaacac ag	60 120 180 240 300 360 420 462
<210> 231 <211> 328 <212> DNA <213> Homo sapien	
<pre><400> 231 ctgtgggttt tcctaaacgc ccctcatctg gttgaagccc tagtgtttct ttctcacatc agaggcaaat gcattggggt gggtctggtt tggacaataa atttcctctg gtttggacca agaaaaacag agttctttga ccgctaacat atatgtaaaa agaaagtttg taaaaacaag agttaaaatg cttctaacag tgtggtcatc actgcacagg acactggaat tggcattcgg</pre>	60 120 180 240

ggttgtgtct gtccatgtgg tttcgttgta tgtcatgtgc tctcagctca gacagagaca tccaattgac ttctgacttg gggcattt	300 328
<210> 232 <211> 595 <212> DNA <213> Homo sapien	
<400> 232 cgccaatttt agcaaataag agattgtaaa agaagcagat tgaatgaaga atttttagct gtgcagatag gtgatgttgg gatggaaaat gctaatcaac taccetttet tttatcaagt aattaaaata aatctacata aagaaccaaa aaggctgttt tataaaagtg aaatatccag tatttcagag ggccaggcaa gagcacttca gatgaggcag tcaaaatcat ttttttcagg tgaggataga ccacaagtgg gtggtgagac cattgaaagc ctttatcaac tgaagagtcc attaacagc ataatttgtg ggaagactgg aatagggctg aataaatgtg tttgaatctc taattttata ctttctttc ctgaggaact tgatttttct gtccctggat cgccttgtca	60 120 180 240 300 360 420
taatttata tittetti etgaggadet egatteet geterggadet taattgagte taattgagte taattgagte taattgagte taattgagte taattgagte taattgagte taattatat tittgteetaag aaaaaaaaa geataetat gtgattatgg etaaateaaa ggtaaetgga atgtatatae tittgetaat gitee	480 540 595
<210> 233 <211> 600 <212> DNA <213> Homo sapien	
atgaaggtaa actctaaaat cttcataggt caacaaagaa aatttatcct tcacacttat tcaaaaggaaggtaa actctaaaat cttcataggt caacaaagaa aatttatcct tcacacttat tcaaaaggaaggtaaggaggt tatttcctag attgcttaca atgaagctag aatactggg ataactgaaggagaat gggggagaat ggaagacaat gaaattagaa atgggtgaga cacatggtgg tagaatgcta agagcaggga tcaggacaat caaccaggtg tctaggaagg gtcaagtcac cagtgtcatc tgctgaccaa tgttaggaag aaataaactc aaaggaaaca ccacattttt ccaattaaac tcaaatctat tgacttgtgg tggttctttg atgttgtggg gactgctata acagaaacca attggattt caagggcaag aaactttgcc actgaataag atgatgtcat ccttcctgat aacaaatagg aatgggtggt cagctctaaa cagcgtggac tgagggagtt gcttttctac aatattactt	60 120 180 240 300 360 420 480 540
<210> 234 <211> 500 <212> DNA <213> Homo sapien	
<pre><400> 234 aaattcctaa ttcttttact atcttctcaa cttttcccaa agataaaata aatttcacat aatttcatgg aggggaaatg gtagttgtaa aaaactacct caagtagcaa tcaccgctgg cagtgtttc tcactttctg ttctgcaatt gcaatcacac ttccaaaaag aaaagcaaat gtttgctaaa ccatagacag acaacctctt tgtgactggt attataaggt ttataatgaa aacttatcaa atataaaagg tgctccctct tgaaaatgtg tattttattt</pre>	60 120 180 240 300 360 420 480 500

.011: 1EO	
<211> 159 <212> DNA	
<213> Homo sapien	
<400> 235 aaaatttaca gataaaggca gttcaatact gccactgaga agtacatctc ttaacatata	60
caactttcag gccacagttt tgaaggtctg aagtattaag ttggtttgat gaattagtcg	120
gttggcactt acgaacacat ttattgcctt gccatcttt	159
<210> 236	
<211> 254	
<212> DNA <213> Homo sapien	
<400> 236 aaataagtga ataagcgata tttattatct gcaaggtttt tttgtgtgtg tttttgtttt	60
tattttcaat atqcaagtta ggcttaattt ttttatctaa tgatcatcat gaaatgaata	120
agagggetta agaatttgke catttgeatt eggaaaagaa tgaecageaa aaggtttaet	180
aatacetete eetttgggga tttaatgtet ggtgetgeeg eetgagtyte aagaattaaa	240 254
gctgcaagag gact	231
<210> 237	
<211> 591 <212> DNA	
<213> Homo sapien	
<220> <221> misc feature	
<222> (1)(591)	
$\langle 223 \rangle$ n = A,T,C or G	
<400> 237	60
ttttttttt tttttttt tttttttcta atttttactt tttctcaagt ttaatgtara	60 120
ttttttttt ttttttttt tttttttcta atttttactt tttctcaagt ttaatgtara catacaaraa aacatcaagc aatgtttatt gkgcaattcc aatcattatt tgcaraatct	60 120 180
ttttttttt ttttttttt tttttttcta atttttactt tttctcaagt ttaatgtara catacaaraa aacatcaagc aatgtttatt gkgcaattcc aatcattatt tgcaraatct tggttaaag tcagtyttta tagccatttc aactgcttgg tttaaacaaa aagcaacaat	120
tttttttt tttttttt ttttttcta atttttactt tttctcaagt ttaatgtara catacaaraa aacatcaagc aatgtttatt gkgcaattcc aatcattatt tgcaraatct tggtttaaag tcagtyttta tagccatttc aactgcttgg tttaaacaaa aagcaacaat ctggttatyt acctataaat ttcatggtat ttytttaaac actgaagtac taaaagcact gatgatttgt attataattt ttaaaatatt taaaacctac acagatttca taratcattc	120 180 240 300
tttttttt tttttttt ttttttcta atttttactt tttctcaagt ttaatgtara catacaaraa aacatcaagc aatgtttatt gkgcaattcc aatcattatt tgcaraatct tggtttaaag tcagtyttta tagccatttc aactgcttgg tttaaacaaa aagcaacaat ctggttatyt acctataaat ttcatggtat ttytttaaac actgaagtac taaaagcact gatgatttgt attataattt ttaaaatatt taaaacctac acagatttca taratcattc cttttataaa ataatcaaaa taatttgatt atytggaaaa aaaaattctt gaaacaragc	120 180 240 300 360
tttttttt tttttttt ttttttcta atttttactt tttctcaagt ttaatgtara catacaaraa aacatcaagc aatgtttatt gkgcaattcc aatcattatt tgcaraatct tggtttaaag tcagtyttta tagccatttc aactgcttgg tttaaacaaa aagcaacaat ctggttatyt acctataaat ttcatggtat ttytttaaac actgaagtac taaaagcact gatgatttgt attataattt ttaaaatatt taaaacctac acagatttca taratcattc cttttataaa ataatcaaaa taatttgatt atytggaaaa aaaaattctt gaaacaragc cctttccagg tatyttcaat ctctgtaaaa ccccaaaccc caaacagagt aratgatgaa	120 180 240 300
tttttttt tttttttt tttttttta atttttactt tttctcaagt ttaatgtara catacaaraa aacatcaagc aatgtttatt gkgcaattcc aatcattatt tgcaraatct tggtttaaag tcagtyttta tagccatttc aactgcttgg tttaaacaaa aagcaacaat ctggttatyt acctataaat ttcatggtat ttytttaaac actgaagtac taaaagcact gatgatttgt attataattt ttaaaatatt taaaacctac acagatttca taratcattc cttttataaa ataatcaaaa taatttgatt atytggaaaa aaaaattctt gaaacaragc cctttccagg tatyttcaat ctctgtaaaa ccccaaaccc caaacagagt aratgatgaa ataaggattt ctcagttgcc caagactgtc tgaaatttaa ggttgaaaaa tggactggcg	120 180 240 300 360 420
tttttttt tttttttt ttttttta attttactt tttctcaagt ttaatgtara catacaaraa aacatcaagc aatgtttatt gkgcaattcc aatcattatt tgcaraatct tggtttaaag tcagtyttta tagccatttc aactgcttgg tttaaacaaa aagcaacaat ctggttatyt acctataaat ttcatggtat ttytttaaac actgaagtac taaaagcact gatgatttgt attataattt ttaaaatatt taaaacctac acagatttca taratcattc cttttataaa ataatcaaaa taatttgatt atytggaaaa aaaaattctt gaaacaragc cctttccagg tatyttcaat ctctgtaaaa ccccaaaccc caaacagagt aratgatgaa	120 180 240 300 360 420 480
tttttttt tttttttt ttttttta attttactt tttctcaagt ttaatgtara catacaaraa aacatcaagc aatgtttatt gkgcaattcc aatcattatt tgcaraatct tggtttaaag tcagtyttta tagccatttc aactgcttgg tttaaacaaa aagcaacaat ctggttatyt acctataaat ttcatggtat ttytttaaac actgaagtac taaaagcact gatgatttgt attataattt ttaaaatatt taaaacctac acagatttca taratcattc ctttataaa ataatcaaaa taatttgatt atytggaaaa aaaaattctt gaaacaragc cctttccagg tatyttcaat ctctgtaaaa ccccaaaccc caaacagagt aratgatgaa ataaggattt ctcagttgcc caagactgtc tgaaatttaa ggttgaaaaa tggactggcg tttttcatgt ttcctgngaa ttcanagctt acaggtggca tcaaaactca aatctctggg	120 180 240 300 360 420 480 540
tttttttt tttttttt ttttttta attttactt tttctcaagt ttaatgtara catacaaraa aacatcaagc aatgtttatt gkgcaattcc aatcattatt tgcaraatct tggtttaaag tcagtytta tagccattc aactgcttgg tttaaacaaa aagcaacaat ctggttatyt acctataaat ttcatggtat ttytttaaac actgaagtac taaaagcact gatgatttgt attataattt ttaaaatatt taaaacctac acagatttca taratcattc ctttataaa ataatcaaaa taatttgatt atytggaaaa aaaaattctt gaaacaragc cctttccagg tatyttcaat ctctgtaaaa ccccaaaccc caaacagagt aratgatgaa ataaggattt ctcagttgcc caagactgtc tgaaatttaa ggttgaaaaa tggactggcg ttttcatgt ttcctgngaa ttcanagctt acaggtggca tcaaaactca aatctctggg atggctttac atggctttca ctttgatttg tttcattttc atttgcttct t	120 180 240 300 360 420 480 540
tttttttt tttttttt ttttttta attttactt tttctaagt ttaatgtara catacaaraa aacatcaagc aatgtttatt gkgcaattcc aatcattatt tgcaraatct ttggtttaaag tcagtyttta tagccatttc aactgcttgg tttaaacaaa aagcaacaat ctggttatyt acctataaat ttcatggtat ttytttaaac actgaagtac taaaagcact gatgatttgt attataattt ttaaaatatt taaaacctac acagatttca taratcattc ctttataaa ataatcaaaa taatttgatt atytggaaaa aaaaattctt gaaacaragc cctttccagg tatyttcaat ctctgtaaaa ccccaaaccc caaacagagt aratgatgaa ataaggattt ctcagttgcc caagactgtc tgaaatttaa ggttgaaaaa tggactggcg tttttcatgt ttcctgngaa ttcanagctt acaggtggca tcaaaactca aatctctggg atggctttac atggctttca ctttgatttg tttcattttc atttgcttct t	120 180 240 300 360 420 480 540
tttttttt tttttttt ttttttta attttactt tttctcaagt ttaatgtara catacaaraa aacatcaagc aatgtttatt gkgcaattcc aatcattatt tgcaraatct tggtttaaag tcagtytta tagccattc aactgcttgg tttaaacaaa aagcaacaat ctggttatyt acctataaat ttcatggtat ttytttaaac actgaagtac taaaagcact gatgatttgt attataattt ttaaaatatt taaaacctac acagatttca taratcattc ctttataaa ataatcaaaa taatttgatt atytggaaaa aaaaattctt gaaacaragc cctttccagg tatyttcaat ctctgtaaaa ccccaaaccc caaacagagt aratgatgaa ataaggattt ctcagttgcc caagactgtc tgaaatttaa ggttgaaaaa tggactggcg ttttcatgt ttcctgngaa ttcanagctt acaggtggca tcaaaactca aatctctggg atggctttac atggctttca ctttgatttg tttcattttc atttgcttct t	120 180 240 300 360 420 480 540
tttttttt ttttttt ttttttta attttactt tttctaagt ttaatgtara catacaaraa aacatcaagc aatgtttatt gkgcaattcc aatcattatt tgcaraatct tggtttaaag tcagtyttta tagccatttc aactgcttgg tttaaacaaa aagcaacaat ctggttatyt acctataaat ttcatggtat ttytttaaac actgaagtac taaaagcact gatgatttgt attataattt ttaaaatatt taaaacctac acagatttca taratcattc cttttataaa ataatcaaaa taatttgatt atytggaaaa aaaaattctt gaaacaragc cctttccagg tatyttcaat ctctgtaaaa ccccaaaccc caaacagagt aratgatgaa ataaggattt ctcagttgcc caagactgtc tgaaatttaa ggttgaaaaa tggactggcg atggctttac atggctttca ctttgatttg tttcatttt attgatt ttcatgt ttcctgngaa ttcanagctt acaggtggca tcaaaactca aatctctggg atggctttac atggctttca ctttgatttg tttcattttc atttgcttct ttcatgt ttcatgattgatta ctttgatttg tttcattttc atttgcttct ttcatgt ttcatgatta ctttgatttg tttcattttc atttgcttct catttgctct ttcatgat ctttgatttg ttcattttc atttgcttct catttgctct cattgatta ctttgattag ttcataattaa ctttgcttct catttgctct cattgattag ctttaatttc atttgcttct catttgctct cattgattag ctttaatttc atttgcttct catttgctct cattgattag ctttaattag ctttaatttc atttgcttct catttgctct cattgattag ctttaattag ctttaatttag ctttcatttc catttgctct cattgattag ctttaattag ctttaatttc catttgctct cattgattag ctttaattag ctttaatttag cattag ctttaatttag ctttaattag ctttaatttag ctttaatttag ctttaatttag ctttaattag ctttaatttag ctttaattag ctttaattag ctttaatttag ctttaatttag ctttaatttag ctttaattag ctttaattag ctttaattag ctttaattag ctttaattag ctttaattag ctttaattag ccccaaaccc caaacactag ctttaattag ctttaattag ctttaattag ctttaattag ccccaaaccc caaacactag ctttaattag ctttaattag ccccaaaccc caaacactag ctttaattag ctttaattag ccccaaaccc caaacactag ctttaattag ctttaattag ccccaaaccc caaacaccc caaacaccc caaaca	120 180 240 300 360 420 480 540
tttttttt tttttttt ttttttta attttactt tttctaagt taatgara catacaaraa aacatcaagc aatgtttatt gkgcaattcc aatcattatt tgcaraatct tggtttaaag tcagtytta tagccatttc aactgcttgg tttaaacaaa aagcaacaat ctggttatyt acctataaat ttcatggtat ttytttaaac actgaagtac taaaagcact gatgatttgt attataattt ttaaaatatt taaaacctac acagatttca taratcattc cttttataaa ataatcaaaa taatttgatt atytggaaaa aaaaattctt gaaacaragc cctttccagg tatyttcaat ctctgtaaaa ccccaaaccc caaacagagt aratgatgaa ataaggattt ctcagttgcc caagactgtc tgaaatttaa ggttgaaaaaa tggactggcg atggcttac atggctttca ctttgatttg tttcatttt acaggtggca tcaaaactca aatctctggg atggctttac atggctttca ctttgatttg tttcattttc atttgcttct tcattggg cccll> 238	120 180 240 300 360 420 480 540 591
ttttttttt tttttttt ttttttta attttactt tttctaagt ttaatgara catacaaraa aacatcaagc aatgtttatt gkgcaattcc aatcattatt tgcaraatct tggtttaaag tcagtyttta tagccatttc aactgcttgg tttaaacaaa aagcaacaat ctggttatyt acctataaat ttcatggtat ttytttaaac actgaagtac taaaagcact gatgatttgt attataattt ttaaaatatt taaaacctac acagatttca taratcattc cttttataaa ataatcaaaa taatttgatt atytggaaaa aaaaattctt gaaacaragc cctttccagg tatyttcaat ctctgtaaaa ccccaaaccc caaacagagt aratgatgaa ataaggattt ctcaggtgcc caagactgtc tgaaatttaa ggttgaaaaa tggactggcg tttttcatgt ttcctgngaa ttcanagctt acaggtggca tcaaaactca aatctctggg atggettac atggetttca ctttgatttg tttcattttc atttgettct t	120 180 240 300 360 420 480 540 591
tttttttt ttttttt ttttttta attttcta attttactt tttctcaagt taatgara catacaaraa aacatcaage aatgtttatt gkgcaattce aatcattatt tgcaraatct tggtttaaag tcagtytta tagccattte aactgcttgg tttaaacaaa aagcaacaat ctggttatyt acctataaat ttcatggtat ttytttaaac actgaagtac taaaagcact gatgatttgt attataattt ttaaaatatt taaaacctac acagatttca taratcattc cttttataaa ataatcaaaa taatttgatt atytggaaaa aaaaattctt gaaacarage cctttccagg tatyttcaat ctctgtaaaa ccccaaaccc caaacagagt aratgatgaa ataaggattt ctcagttgcc caagactgtc tgaaatttaa ggttgaaaaa tggactggcg tttttcatgt ttcctgngaa ttcanagctt acaggtggca tcaaaactca aatctctggg atggetttac atggctttca ctttgatttg tttcattttc attttct ttcatttt ttcatttt ttcatttt ttcatttt ttcattttc atttgattt ttcattttc atttgattt ttcattttc ttcattttc ttcattttc ttcattttc ttcattttc ttcattttc ttcatttc attgatttg agtgtaattc cattgtggata attgattacca aacattacaa aacatttca aacatttata ggcccaaaat gaccaacgaa attgttacaa	120 180 240 300 360 420 480 540 591

<210> 239 <211> 153 <212> DNA <213> Homo sapien			
<400> 239 ccacaataaa gtttacttgt aaaaactcattgta caggcgtgga gactccggagtctc tggtgtaccc tctt	tcattgt atgtataaga	tccaattatg tt atattctgac ag	gcacgtac 60 gtgagtgac 120 153
<210> 240 <211> 382 <212> DNA <213> Homo sapien			
<pre><400> 240 aaaaaaacca tctaaaagtg gtti ttgcttttac tcagggaaaa aaaa aaagagttct ttcaggagac atci ctcttctttt ccaacatttc taci tttgttgctt tcttactgtc acci ttttcttctt tgtgcactgt gtca cttacaggag aaggctctgc ag</pre>	aaaatta aggtacattt tgtgatt cactgcattg cattttc ctcttcttgg tgttaaa ccgcgtttct	gagtagaatg at tttttatttt ct ttgatatcag go ttgtgttagg tt	ttcatcta 120 ttctttttc 180 ccactttct 240 ttgaccgc 300
<210> 241 <211> 400 <212> DNA <213> Homo sapien			
<pre><400> 241 ggcatgagcc accgcgcccg gccc catgttgccc aggctggtat cgae caaagtgctg ggattacaag cgcc tctgacatca catccttata gttcctggagaac ttgatggtta tcc aaatctatta ggttggtgca aaa ggaccctgag ggaaatggga ggg</pre>	gctcctg ggctcaagcg gagccac cgaaattatt acatccc tttaagcagg ctcgaag tgacagtcct gtaatta cgctttttgc	atcccccaac ct cttaactagc aa gttcagccac tc gcaaatgaca aa	ttggccttc 120 agactaggc 180 cactctgca 240 aaacactcc 300
<210> 242 <211> 75 <212> DNA <213> Homo sapien			
<pre><400> 242 actcacatat gcagacctga cac tgcaacttcc tgtgg</pre>	tcaagag tggctagcta	cacagagtcc at	tctaatttt 60 75
<210> 243 <211> 192 <212> DNA <213> Homo sapien			

gctccacatt tgtagcgaac actttgactc caaagagaag gaggaagaca aagacaaga ggaaaagaaa gacaaggaca agaaggaagc ccctgctgac atgggagcac atcagggag ggctgttctg gggattgccc ttattgctat gggggaggag attggtgcag agatggcat acgaaccttt gg	t 120
<210> 244 <211> 616 <212> DNA <213> Homo sapien	
.400. 244	
<pre></pre>	g 120 c 180 g 240 t 300 a 360 t 420 t 480 a 540
<210> 245 <211> 165 <212> DNA <213> Homo sapien	
<400> 245	
ttggaacagt ggattaaaat ccagaagggg aggggtcatg aagaagaaac caggggagt atttcttacc aaacattacc aagaaatatg ccaagtcaca gagcccagat tatggcccg taccctgaag gttatagaac actcccaaga aacagcaaga caagg <210> 246	
<213> Homo sapien	
<400> 246 tgtactggat ccctccaggt gggggcgact ctcacctgac tattacaata gcctcctaa tggtttccct acttgcaacc ttgcccgtat aatatctatc ctccacacag caggcaggg gatcctttaa gaatagaagt tagatcatga aaatgctctg ctctgatccc tgcaaaagc cgccacctcc ttacagtcac cgctgaactc gtagcagagg ttcaggagg	c 120
<210> 247 <211> 338 <212> DNA <213> Homo sapien	
<220> <221> misc_feature <222> (1)(338) <223> n = A,T,C or G	

<pre><400> 247 ggaaaccgtg tgtacttatc ctggatgatg ccaccagtgc cctggatgca as tacaggngga gcagctcctg tacgaaagcc ctgagcggta ctcccgctca gg tcacccagca cctcagcctg gtggagcagg ctgaccacat cctctttctg gc ctatccggga ggggggaacc caccancagc tcatggagaa aaaggggtgc tc tggngcaggc tcctgcagat gctccagaat gaaagccttc tcagacctgc gg tccctccctt ttcttctctc tgtggtggag aaccacag</pre>	tgcttctca 120 aaggaggcg 180 actgggcca 240
<210> 248 <211> 177 <212> DNA <213> Homo sapien	
<400> 248 tgaaaacaaa tgaattetea aeteetaegg tteatgtaga gtttagagaa aattgteatea ttgaaetgtg aacetgggaa geeagateat gattaaeaet gtteaagttge agateaatge aeceagtgtt eagatgagge aaaettetee g	acatcaagt 120
<210> 249 <211> 263 <212> DNA <213> Homo sapien	
<400> 249 aaagtaatga ctttattaat aaatatacat ccatatgatg atgtagatac a cactactcca ttcccataca cataattgca cacgagtagc tcaagttcat gacatacacag tatctattca gactttttac agcagaggac agcgtgctta tattggtaatt attttctcca aaattacctg tggaaaaaag aaattctgaa a aatcaaagtg atctgattac ttt	gacataaaa 120 tatcagtta 180
<210> 250 <211> 333 <212> DNA <213> Homo sapien	
<400> 250 aaaaaaaaca acagcgtaaa tattagccca caagagcagt cctaaacaat c ctgtactacc caagaagact gtttattgtg aagcatttac ctttcaaaaa a ttctatttct tggtggagca gcacattgtg gagtgtgatt cttaattctt c gtcaatagga cattgatgct ggataggttg tcttttgttt ttatgcctca g tgagattgtt tgcctatctc ataatacagt tttatgcaga aaggttgaaa c ggtttttatg gaaattatca gttacaatat ttt	tcattacat 120 cattgagttt 180 gaccatcttg 240
<210> 251 <211> 384 <212> DNA <213> Homo sapien	
<400> 251 aaaccatttg tacaaaactt ctataaattt ttctctctct ttctctctta t tatcttaata tatccccgaa ctggttagga tagatacaaa tagattttt a attcacaaaa gattggaagc attctataat gaaaatggta gaaaagacag t gccatggggt ttgggaatcg ggccctggag gagaagcaga gtttcaaagg g gcatagtttc actgtaaacc aatgtctaca gcttattggg gtgggggcta c	ataataaaaa 120 Egtgagggaa 180 gctgagaata 240

agacaccaac tegtttetag agggetaaga aetgeaettt aagaaaggge ggggaggtga agggaeeega geaagaaett teag	360 384
<210> 252 <211> 211 <212> DNA <213> Homo sapien	
<400> 252	
aaagcagtct gaaaatggga catctgtaga gaaattcatt tccttcttct cctccggatg tggaatggaa gctttgaggg aaggaaaagt aggaaaagag cgggatggga tgggatggga	60 120 180 211
<210> 253 <211> 135 <212> DNA <213> Homo sapien	
<400> 253	
aaaaattgtt tottgacaag otgacttggo acttaagtgo acttttttat gaagaaaaag tacaatgaac tgottttoot caagcaataa ttgtttocaa ottgtotggg aattgtgtgt otggtaactg gaagg	60 120 135
<210> 254	
<211> 361	
<212> DNA <213> Homo sapien	
13237 Homo Bapten	
<400> 254	
cctgtagccc ctgctacacg ggaggctgaa gtgggaggat cacttgaacc aatgagggtg	60
aggttacagt gagcccagat catgccacta ctctacaggc tgggtgataa gagtgagacc	120
ctgtatcaaa aaaaagacaa ggaaaaaaaa aactgggccg tttgtttttg cagaatgtct ctcaatttgg actttttggg caggaataca atacaagtga tacaaatgct tctttaacat	180
tagaacctgt ataaaattac cattacagac cttgctattt tacttatagg taaatcactg	240
tttaccaagg taagtetttt gggaatttee aaaaatgaag tecatggaca gttaaaaact	300 360
g	361
<210> 255 <211> 331 <212> DNA <213> Homo sapien	
<400> 255	
aaaaaaataa ataatccacc aacgtgattg accttggcga gatcatgttt ctagtctata	60
cctcagtttc cccatctgta aagtgaggat aatgtcccac cccatqtaac tgtggtgagg	120
accaactgca acactgtgcc tgcgagtctc cttggaaaaq tgtaaggttc tacacaaatg	180
gaaagtgate tgateaeaet eagtgteeee ageeeageet tteagtgeee tggeeetggg	240
Jtgggggaca atacteteet eaceceette aetagtette atgaatagea aggaggeeat	300
aacataattt ggtctaaacc ccttcctttt t	331
<210> 256	
<211> 186	
-212 DNA	



<213> Homo sapien

aaacttgaac aaagagcggc aattccactt cgctggtatc aggtcccggc tcaaccacat

gctggctatg ctgtcaagga gaacactctt tactgaaaac caccttggcc ttcattctgg

240

300

caatttcagc agagttaatt tgcttgctgt tagagatgta gcactttatc cttcctatca gtaactgctc cgtgttcaga ctcctggttt cttccaggct tacagtggac atcatcagct tcctgcttt	360 420 429
<210> 260 <211> 385 <212> DNA <213> Homo sapien	
<220> <221> misc_feature <222> (1)(385) <223> n = A,T,C or G	
ctgcaacaca tgcagcacca gtctcagcct tctcctcggc agcactcccc tgtcgcctct cagataacat cccccatccc tgccatcggg agcccccagc cagcctctca gcagcaccag tcgcaaatac agtctcagac acagactcaa gtattatcgc aggtcagtat tttctgaana cgcatatggc agacggattt gcgtatacca aggagagtgg cataggaggg aaaagcatat gtggctgaaa cctgtaagtt ggtgttggtt atgcagaaat gtgtaacaga tcaaacggtc ctctcaagtg tctattanat aggcaataag aactgcagtg tagctgagta acatctttta gctgactata aatcactttg ttttt	60 120 180 240 300 360 385
<210> 261 <211> 230 <212> DNA <213> Homo sapien	
<pre><400> 261 ctgtactgga tccctccagg tggggggac tctcacctga ctattacaat agcctcctaa gtggtttccc tacttgcaac cttgcccgta taatatctat cctccacaca gcaggcaggg cgatccttta agaatagaag ttagatcatg aaaatgctct gctctgatcc ctgcaaaaagc tcgccacctc cttacagtca ccgctgaact cgtagcagag gttcaggagg</pre>	60 120 180 230
<210> 262 <211> 198 <212> DNA <213> Homo sapien	
<220> <221> misc_feature <222> (1)(198) <223> n = A,T,C or G	
<pre><400> 262 atgttaagta aacatgaaat ctatataaca gaacaaaaat tcactcttat gtcaatgtca gcgtgttaat gtagatctat ttactganac agactctgta gtggcagaga gtggccttgt taagccagga ccctgttctg caggctgtgg gtagaagcta ggaagtccct ggagtttcac ccagcttttc catgaatg</pre>	60 120 180 198
<210> 263 <211> 157 <212> DNA <213> Homo sapien	

<pre><400> 263 aaaatatatt tctaaacaga atgggccgac tcagtcacag taactgttga tctccatagt agagcaaccc acaaagacag aactgatttt tttcccataa tcaggggtga aaaatataca acttgtttct gaaccaaaac cacaatttct gcagttt</pre>	60 120 157
<210> 264 <211> 290 <212> DNA <213> Homo sapien	
<400> 264	
ctggctactc caagaccctg gcatgaggct gaggacaact tacaagggct tcaccgaagc	60 120
agtggacett tattttgace acetgatgte cagggtggtg ceaetecagt acaagegtgg gggacetate attgeegtge aggtggagaa tgaatatggt teetataata aagaceeege	180
atacatgccc tacgtcaaga aggcactgga ggaccgtggc attgtggaac tgctcctgac	240
ttcagacaac aaggatgggc tgagcaaggg gattgtccag ggagtcttgg	290
<210> 265	
<211> 234	
<212> DNA	
<213> Homo sapien	
<400> 265	
aaaaaaagga aaggaaagag aggaaaagaa aataaaataa gacgatttat tgcttctcct	60
cagcatecte ettggtetee teetteaceg agagagette tagettttee gecaettttt	120 180
cggcatgate attittgeet gateetttet titetetete titegatetet tieetgeatt etteaaactt tgtittgaat tietgtgeat teteageatt eaggaagegg atgg	234
Constant of the contract of th	
<210> 266	
<211> 335	
<212> DNA <213> Homo sapien	
(21) Nomo Bapten	
<400> 266	60
gtcctcatca tcccagtttg aggcagtgct ggagtgggga aggccgtctt agaccataga ggttggaaga cgctgagaga tcatccagcc cagcccttg atgttacaga gcagaagaca	120
gatgcccaaa caggagaagg cacttgccca cggtcatacg gcaggttgcc acaaaaccaa	180
qatqqcaqcc cttcctcagc gtgcctcact gccactccca gagccaggga gccccataaa	240
acccacatca tgtcttaaga gtatatctgg ctccttgacc agcaatcggc cctgggagcc	300
accaggtggg aaaagcgcct ctgccagagt ccagg	335
<210> 267	
<211> 619	
<212> DNA <213> Homo sapien	
(213) Homo Bapter	
<220>	
<221> misc_feature	
<222> (1)(619) <223> n = A,T,C or G	
<400> 267	60
tggagctctg acgaagggat cggggaggtg ctggagaagg aagactgcat gcaggccctg	90

agcggccana tetteatggg catggngtee teccagtace aggeeegge egeeteattg atgggettgt caacgeetge atecgetttg tetaette	ct ggacatcgng 120 cc tttggaggat 180
gageteaaaa geaaggtgtt tgeanaaaaa atgggeetgg agacagge	ng gaactgccac 240
atctccctca cacccaatgg tgacatgcct ggctccgaga tccccccc	ce cagececage 300
cacgcagget ceetgeatga tgacetgaat caggtgteee gagatgat	gc anaagggctc 360
ctcctcatgg aggaggaggg ccactcggac ctcatcagct tccagcct atccccagct tcctggagga ctccaaccgg gccaagctgc cccggggt	
cggcccacc tgcagaacat tgacaacgtg cccctgctag tgcccctt	t caccgactgc 540
accccanaga ccatgtgtga gatgataaag atcatgcaan agtacggg	ga ggtgacctgc 600
tgcctgggca nctctgcca	619
<210> 268	
<211> 147	
<212> DNA <213> Homo sapien	
(213) Homo Sapien	
<400> 268 cctataaccc agacaccagc atggacaaaa ctcagttata ctgaattc	ag agacaaaatt 60
cagtgacact cttctaccac ttatttaggg ttctacagca tttcactg	ag cagacttagt 120
tttttgtttt tgttttacaa acctttt	147
<210> 269	
<211> 325	
<212> DNA	
<213> Homo sapien	
<400> 269	ta gttttcgagc 60
ctgagctgta ggaatgggtt cttggtacac aagatagtat tgttgagc tctgtgcaca agcactctgt aatcggggcc catgccactg tacaccaa	5 5 -5
ggtaattggt totactttgt gtacacttcg ctcatcatac agaatgga	tt tctgtttttt 180
ctcagttgct aataccacac catttgcagc tttaattccc acggacgg	gg ctcctccagc 240 ga atgtagtcag 300
tacagcagcc aaagcatatt caatctggac aagtttacca gacgggct cgaaaagctg tacccgcgct ccgcc	325
<210> 270 <211> 428	
<212> DNA	
<213> Homo sapien	
<400> 270	
aaacatatgg taaattaccg agtgacacct ctgggctaga gacctctt	tt gaggggagtt 60
tgcaaactac ggattcaatt tetttaacag ttatgaagtt etttaaag attggggggt tgtggtcace tgtgetttte tgagatttgg eccetaca	aa cctgtttggt 120 tc taagttgttg 180
aatgcatgtg tgtagagttg tttatggtgc ttccctttct tcttagaa	gg gtctatagta 240
atateceetg cettatecet agtagtacta atttgtgttt tettaett	ct tgacaggcaa 300
acacatcaga gcataagtgg ttcctaatgc caagctgacc tcccttga	tc tctgtcttct 360 ac cttcaaatag 420
acaggatatt gacatgggac ttctttatta ccttttcagt tcactgat	ac cttcaaatag 420 428
CCCCaccc	
<210> 271	
<211> 206 <212> DNA	
<213> Homo sapien	

<220> <221> misc_feature <222> (1)(206) <223> n = A,T,C or	G		
<pre><400> 271 cgtcccggag cccacggngg nca ggccttgctg tcctccagct ctg cgtgccagcc aaggacaggg tgg caaccggggc tgctgctttg act</pre>	getgagga gtaegtggge gaetgegg etaeceeat	ctgtctgcaa a	accagtgngc 120
<210> 272 <211> 83 <212> DNA <213> Homo sapien			
<pre><400> 272 ctggcttccc tgagaactca aca tgactacagc cctctctacc tgg</pre>		ccttcctcga t	tcatccacaa 60 83
<210> 273 <211> 472 <212> DNA <213> Homo sapien			
<pre><400> 273 ctggagaagg tgtgcagggg aaa tcgggacact cttcctttgg gat cgactctgtt ggaagtgggc acg tttgccctct acgtgggcta cac cttgttggcc tcctgcaggg ggc ttcttcaaag cccgacccc aca agcctgtcac tgacgttgac cct tcctcctct gaggccggac ccc</pre>	tgtactgc atggtgttct ggctgctg cgacccacag cccgcgtg tctgattaca cactggtg gctgccctca agcactgt ctgaaggagg tgggcgag gctgaccaca	tggcgctgta t tccagttctt c aacaccactg g ctgtctgcta c aggagctgga a accactatgg a	tgtgcaggca 120 cctggtggcc 180 gagcgatgtc 240 catctcagac 300 acggaagccc 360 atacccgcac 420
<210> 274 <211> 205 <212> DNA <213> Homo sapien			
<pre><400> 274 ccaggcggcc cgaggactta cgg tcgcctgcat gggtcgtacc tgg gtttctcagg caatcctgta ttt gaatgtagcg tgtaaatagc ttt</pre>	gatggtgt gtccaccatc ttaatttt agatgtattt	gacacggagg g	ggctggattt 120
<210> 275 <211> 308 <212> DNA <213> Homo sapien			
<400> 275 ctcctcgccc tccccaccga cat gtggttggaa tgtatctggc tca	tcatgctc cagttccagc agaactat gatataccaa	ttggatttac a	actgggcaac 60 aaaacttgaa 120

gaaattaaaa aggacttgga tgccaagaag aaacccccta gtgcatgaga ctgcctccag cactgccttc aggatatact gattctactg ctcttgaggg cctcgtttac tatctgaacc aaaagctttt gttttcgtct ccagcctcag cacttctctt ctttgctaga ccctgtgttt tttgcttt	180 240 300 308
<210> 276 <211> 201 <212> DNA <213> Homo sapien	
<pre><400> 276 aaattaactt tttcttgcaa aatattcatt tcattttttc caagaaaatc ttataaaggc aaaaataaaa ttttattttg gcaaatgtca tgaagtcgat actggcagca tatggagtta gttaaaaata gacaacaact gctagatata ttcaaaattc tattttttt tctgagcata gtcaaagaga aattttcatt t</pre>	60 120 180 201
<210> 277 <211> 520 <212> DNA <213> Homo sapien	
<220> <221> misc_feature <222> (1)(520) <223> n = A,T,C or G	
aaaaaaaag tattcagcac catttgetca tnggtette agagtttgtt ettaaagttt etggaacttt eetgetegta aagtaacagg aattaetgag etacattgga aagcetetet gggacaggca gtggggagtt aagcagteat cataaaggaa teagtgtaca tteageatgg tgaettgaet acacaacaat eeetteeeet etactgtage teaagagaga eatgetteta accaetgagg tatgaggagt etcagaetgt tatttgetgt tagaattggt etteecaget aataacagta eatetetgge acagatgeta ttggteetta atgeetgtg atttaggaa atagtttgga tttagtteaa tttatteaga aaccaaacgt gtttaattag etteactaet etggeagagt aagggtatge tggtttagta tetttataaa ataatataa tgtataggta aatcatagte ttaaatcata eetaaaatae tgtateattt	60 120 180 240 300 360 420 480 520
<210> 278 <211> 264 <212> DNA <213> Homo sapien	
<400> 278 cgcgccgggc ggaactttcc agaacgctcg gtgagaggcg gaggagcggt aactaccccg gctgcgcaca gctcggcgct ccttcccgct ccctcacaca ccggcctcag cccgcaccgg cagtagaaga tggtgaaaga aacaacttac tacgatgtt tgggggtcaa acccaatgct actcaggaag aattgaaaaa ggcttatagg aaactggcct tgaagtacca tcctgataag aacccaaatg aaggagagaa gttt	60 120 180 240 264
<210> 279 <211> 414 <212> DNA <213> Homo sapien	

<pre></pre>	60 120 180 240 300 360 414
<210> 280 <211> 262 <212> DNA <213> Homo sapien	
<pre><400> 280 ccaccatgcc tggcctgctt caattttttg atgccacttt gtaaacggca cttaattatg gaaaatagga aaaagcaaaa ctaaaataag gaagaggata tatatataac ttttcacaat ctcttttctg atccccttta gatgcccagt caaccaggac cacacacaga tttcatttta tttgtagagt atatgaaaag atttaatagt ctcatgcatt ttattttacg tatactgatt tctacgtttt gactgactat tt</pre>	60 120 180 240 262
<210> 281 <211> 349 <212> DNA <213> Homo sapien	
<400> 281 ctgtgacccg ggtgcatcag tggatatagt tgtgtctccc catgggggtt taacagtctc tgcccaagac cgttttctga taatggctgc agaaatggaa cagtcatctg gcacaggccc agcagaatta actcagtttt ggaaagaagt tcccagaaac aaagtgatgg aacataggtt aagatgccat actgttgaaa gcagtaaacc aaacactctt acgttaaaag acaatgcttt caatatgtca gataaaacca gtgaagatat atgtctacaa ctcagtcgtt tactagaaag caataggaag cttgaagacc aagttcagcg ttgtatctgg ttccagcag	60 120 180 240 300 349
<210> 282 <211> 381 <212> DNA <213> Homo sapien	
<220> <221> misc_feature <222> (1)(381) <223> n = A,T,C or G	
<pre><400> 282 aaacactaaa tgaagcttct cacaatttct aattataaac aaaaggctga aaacagtatg ggaaacaaag tttcaaaaca aagaaaagtt gagtaaaagg tgccccctct atggctcatc tgaaagaaac attttactca gagaggcaaa catttctgat ctaggagtaa gtttcccact cactttgcaa ggacccactc attctgcana aagacctaca agtctttctg gtctcaattg caaagtacgt gaaaatgtgt atgaaagatc taaaagctaa atattagaat aaggctaatt gaaatcaaaa ttgtgtgctg gtctaaatat acatcttcgg cttcttcctt tttagtaagt atttttattt cagatgtatt t</pre>	60 120 180 240 300 360 381

<211> 364

<211> 543 <212> DNA <213> Homo sapien <400> 283 60 aatataqctc ctccctaccc ccaacaatgg accetgeeca ttgccteeca gtteettgat cttcctaggt tccacaactc tcttttcct tttagtttta ttccctccag ccaaacctct 120 cttattcaat attttgagcc aatgggggag ttatgtagat ttttttccct acacattagc 180 240 tggccccttt tatgaccaat gactcataag gcaagatgtg tggtggcatc ttcggacagg cagcaggett taatagggea geetgggttg gtggaggeaa geaaagetaa ttggeatgeg 300 360 tgggaatcaa accccaggcc ctgggctcat tagcccatgg tcaaaacaac tgagccagag gaggtaataa tttgcccaag aatatcagta gttcctttat tagaagaaaa tggctgatat 420 480 ggaagttggg gaatctgaat tgccagagaa tcttgggaag agtaataagc tcttagtctc 540 aacaaaaagt gttttttcat ctcagcgcgt aaagggtgct atatgggaac aaagaagtat 543 <210> 284 <211> 147 <212> DNA <213> Homo sapien <400> 284 aaactggtat titatcittg atteteette ageceteace eetggtiete ateitteitg 60 120 atcaacatet tttettgeet etgteeeett eteteatete ttageteeee teeaacetgg 147 ggggcagtgg tgtggagaag ccacagg <210> 285 <211> 316 <212> DNA <213> Homo sapien <400> 285 cggccgaggt ctggcttcac tcctactccc tctctgctcg cagcacgtcg gccgccagct 60 120 ctttgatgtg ttcccaggcc cgctgcacat gggcagattc caccgtgcga gaacagatgg caaagcgcag gacaaacttg tccctgaggt gacatggaac caagtggatt tttttggcac 180 240 tgtttattct ttgcagaaga gcttcattca ctttgttgga accctttagc cgaaagcaga 300 caagccccag aatgacttcc acacagattt caaagcgggg atcctggcgc accagtgact 316 caaactcatg ggacag <210> 286 <211> 322 <212> DNA <213> Homo sapien <400> 286 60 cctggggagc cctttagtgg ggtgggacct caggcagacc cccaaaccaa agggagccag atgcccaagt tcaagtcatt agtgatatgt ggcagggctg acagagaaat aatcctggag 120 180 gtctccaaag ctgctgggaa tggaatggcg atgaaaagcg caggagtggg cagggtgtgg 240 tgggtgatgg tggcctcact cagagtggac caaggcccca gctccttgcc caaaaccaaa gcccttgggc ccgaagtttt tagcataaca tcctttgcag taaatctcgc catccttgtc 300 322 tgccagggtg gttgactcaa gg <210> 287

<212> DNA

<213> Homo sapien <400> 287 60 ctgcccacgc tcaaaccaat tctggctgat atcgagtacc tgcaggacca gcacctcctg 120 ctcacagtca agtccatgga tggctatgaa tcctatgggg agtgtgtggt tgcactcaaa tccatgatcg gcagcacggc ccaacagttc ctgaccttcc tatcccaccg tggcgaggag 180 acaggcaata tcagaggctc catgaaggtg cgggtgccca cggagcgcct gggcacccgt 240 300 gagcggctct acgagtggat cagcattgat aaggatgagg caggagcaaa gagcaaagcc ccctctgtgt cccgagggag ccaggagccc aggtcaggga gccgcaagcc agccttcaca 360 364 gagg <210> 288 <211> 261 <212> DNA <213> Homo sapien <400> 288 aaaattataa ctactcattc tttctttagc cttagttaat ttgagcagaa gccacaacaa 60 gcaaaccaca ataaatttag aattggcaga aatccacatt aactcctctt cccaagtttc 120 180 cacactacta ccatttacag ttgtaggttt gtaatgtata attatgtaat gcagaaacta gctttgactt gtgtaacgat gcactgtcaa agtaagcaaa gtaagaattg aaattccaca 240 261 ttcccagaat ttaacactca g <210> 289 <211> 261 <212> DNA <213> Homo sapien <400> 289 60 ctgagtgtta aattctggga atgtggaatt tcaattctta ctttgcttac tttgacagtg 120 catcgttaca caagtcaaag ctagtttctg cattacataa ttatacatta caaacctaca 180 actgtaaatg gtagtagtgt ggaaacttgg gaagaggagt taatgtggat ttctgccaat tctaaattta ttgtggtttg cttgttgtgg cttctgctca aattaactaa ggctaaagaa 240 261 agaatgagta gttataattt t <210> 290 <211> 92 <212> DNA <213> Homo sapien <400> 290 ccactacccg aacttacagg tgccaaaaga agaaagggta taaacggaga ccacctatca 60 92 ctcatcagaa cctaggatca tcacattcct tt <210> 291 <211> 287 <212> DNA <213> Homo sapien <400> 291 ccatggetee geteagggee eeggteacet eegagteact etgtteettg aetgtetttg 60 tgtttctgta cctcaaggca ctgaagctgg aggactctgt ccatgcctgt gtcaccctcg 120 tgtgggagcc tctgggctcg gcaggtccac atttcatgag ctgaggcgtg ggccagggcc 180

<212> DNA

atctggaaag ggaactcggc ttttccagaa cgtggtggat catctgtcgg gtgtgtggt 240 aacacgttca gttcatcagg gcctacgctc cgggaagggg cccccag 287
<210> 292 <211> 270 <212> DNA <213> Homo sapien
<400> 292
gcettetget gggtcaaagg tggcetttte tetecageet tgaattgtte cetgttgget 120
teccaaggge ceatetgetg gtacagteea eactteeaca gecaagaeee gagagggett 180 teaetgeee aageetetet eetgtgaeee tgggattetg tettggeaga atcetttgte 240
ageggetett actetgteet teetgtttgg
<210> 293
<211> 333 <212> DNA
<213> Homo sapien
<pre><400> 293 ccatgctcgt caacctggtg tccactgctt gctacgtctc cttcctcttc ctgggctgcg 60</pre>
acactggccc tgtggctggg gttactgttc cctatggaaa cagcacagca
cectggaece etactegece tgeaataata actgtgaatg ceaaacegat teetteacte 180 cagtgtgtgg ggeagatgge ateaectace tgtetgeetg etttgetgge tgeaacagea 240
cgaateteae gggetgtgeg tgeeteaeea eegteeetge tgagaaegea acegtggtte 300 etggaaaatg eeeeagteet gggtgeeaag agg 333
<210> 294 <211> 123
<212> DNA <213> Homo sapien
<400> 294
ctgatacaaa tacagaaaac tctgcccatt atccaagaaa caaataatta agactaaaat 60
gcaagetgat gtgttgeage attgtaggge cactaaatag ceatetgtga ttegtggeaa 120 ttt
<210> 295
<211> 311 <212> DNA
<213> Homo sapien
<400> 295
ctgcatacag acatttgttt aggtcatctg gattatcttg attgtcacca tggcaactat 60 ccacaaccag tgcctaggtg tgtgagaaga gtgatacaat aatactgtgg catggtcatt 120
tagctaatcc agtctaagcc taacagaaac cttttccatc aaagtttttc agagaataac 180 aacatctcat aagaggccag aggatggctt gtgcttaata tcacacctgt acagtagggc 240
agtgcttccc aggctgtctg cttacatttt agcttgtctt acggttacat atggttttag 300
tattttcatt t
<210> 296 <211> 241

<213> Homo sapien <400> 296 ctgcggaaga tctgcaacca cccctacatg ttccagcaca tcgaggagtc cttttccgag 60 cacttggggt tcactggcgg cattgtccaa gggctggacc tgtaccgagc ctcgggtaaa 120 tttgagcttc ttgatagaat tcttcccaaa ctccgagcaa ccaaccacaa agtgctgctg 180 240 ttctgccaaa tgacctccct catgaccatc atggaagatt actttgcgta tcgcggcttt 241 <210> 297 <211> 295 <212> DNA <213> Homo sapien <400> 297 60 aaacacaaga tgaaaatact ctgttctgtc caaagcatca cctaatggtg tgaggcatct cacttagctg tggagaagtc cttggaatta gatctcagaa agacagcttt aagacagtaa 120 aaccttttgg caatgggcta attgccttaa aagaagagtt ctacctgaaa gaccttgcag 180 gtggagaaat tgtcctacaa agattcttgg atatgttagt ggagataact gacatgggta 240 295 gctgtgggtc aaccaggaac tgtcaacaac ctgatctctg caaaaccagg atgga <210> 298 <211> 347 <212> DNA <213> Homo sapien <400> 298 60 ccaaaataaa gcttcaggca agaggcaaag atccagtgga atatgggaga atggtggagg 120 accaacact gctaccccag agagettttc taaaaaaagc aagaaagcag tcatgagtgg tattcaccct gcagaagaca cggaaggtac tgagtttgag ccagagggac ttccagaagt 180 tgtaaagaaa gggtttgctg acatcccgac aggaaagact agcccatata tcctgcgaag 240 300 aacaaccatg gcaactcgga ccagcccccg cctggctgca cagaagttag cgctatcccc 347 actgagtete ggeaaagaaa atettgeaga gteeteeaaa eeaacag <210> 299 <211> 268 <212> DNA <213> Homo sapien <400> 299 60 aaaaagtaaa catgaaaaca tcacgaattg taccatgatt caagaataac ttttgtaata gaaaacacat gaccttttgc agtatagtgt gataccgaag taaaagtgaa agaaataaat 120 gcaggaaagt ttaagtggat gtaagttttt ataaggaaag taataagagg aggctgcttt 180 240 tgaaggtcct ttgatcttcc atgatgataa tatcgttgca aagttcttta acttgtattc 268 aagtaattag cagttgacca cttggttt <210> 300 <211> 185 <212> DNA <213> Homo sapien <400> 300 60 aaattggaga aggaagtttt cctgaagagc cagaatcctt gctaagtcat ttagatccaa ctgaccatct ttatttctgt caaaaatctt catcatggtg ccggtgtatt cttccagttt 120

agcctcagaa atggcctttc agcag	tgtggtgaag	aaagaggtct	cggaggaagt	tgcggagctc	180 185
<210> 301 <211> 75 <212> DNA <213> Homo sapie	en				
<400> 301 aaaattggaa agtgggataa tttgaaattg gcttt	gaaatctaaa	gtaaccagct	tatctttgaa	acaatattat	60 75
<210> 302 <211> 247 <212> DNA <213> Homo sapie	en				
<220> <221> misc_featu <222> (1)(247 <223> n = A,T,C	7)				
<pre><400> 302 ccatgttctc tgaattgggt ttgtagcagc cacatcagaa tgatctcagc actgaacgat gtgatcanag ggaacgagct ctacttg</pre>	agcagaagaa ttcaagccct	aacagtattt acgcaccana	ctgaaggcat acagaaggag	tgtttgaggt ggtggaggaa	60 120 180 240 247
<210> 303 <211> 535 <212> DNA <213> Homo sapie	en				
<pre><400> 303 ctgcttcaga ggaaatcact tgtacctgta atcctgaaga tttcagagag agactttatt cccccagcgg acttaaaaga gatctccggc cagtccctga aaacttgaac agtctgaaca atcaatctgc tctagtccac caaaggatca gaggatgtct tttagtcttc atttgttcat</pre>	aaaggtccta gcaactgtga ctggaatgtg gaggctcctc cttttatctt atgtgtcgcc ccctggaaaa	attectteca ccaccgteac gtagtggcgg tgggtagcag tacttcaagg tacagaattc caggagtcta	tgctgaaatg tggtgagcac tcgttctcgg acttcaaagt gagtatccaa aggtgattca aaaagactgg	ctagctttgg tgctgttcgg tcagcaggga ctctggagtt gtataaacat tcatgaagct gaatgacctt	60 120 180 240 300 360 420 480 535
<210> 304 <211> 522 <212> DNA <213> Homo sapie	en				
<pre><400> 304 ccgcgctcgg tctacaatca taaatagcaa aatagaaaga tttagatctt tatcctggtc</pre>	aaagggggaa	aaggtagaag	gcaaggggaa	aactattggt	60 120 180

aaacttggta attgggccaa aattgaacca aagtttgtgt caagaagacc tggggcagag atatgtgact aaatcatttg gaatatgccc agaccccaag aatatttatg cccaacttga atgctaacca gaagtccctt actgtagaag attgtaaggt tgctatttt ttgccccgac accaaaatat tgatgtattt tccaacacca attctccaat tctctgacac caactcgatg ttcaacaatt cagttatatt ctgtcactaa ttcctgcagc tatcagcagg ccccacaggt aaaggattca gtctcacaag attgccccc cacccacttc ag	240 300 360 420 480 522
<210> 305 <211> 165 <212> DNA <213> Homo sapien	
<pre><400> 305 cctaaagege teetegetga ageteaaggg gteeacaatg atttgtttgt caaagttatt gagtgeatat geeagttete eteeteetee accetggtge tgtgaggeat egtetgagge agtggeetgg getgeattgg aaatgeetgt gaeegeetge tgeag</pre>	60 120 165
<210> 306 <211> 294 <212> DNA <213> Homo sapien	
<pre><400> 306 ctgcacctaa gacatggccc tggctaggcg ggaacagctc acagtagcga tacattcaca ggacacagtt ggtgtccaga aaagggggct cagaacacag tttctacaca agcacttggc acccacacga cagagacgtc actcaagcag cacagccaca aatagtttac agcagctcat gcccggcatc cgcccatgct gggagactcc ctgaaaggtg ggcacctgcc gtctatgagg aggtgtctcc ctccatcatt aaccccaaac cacacaatgt gtgaggagag cagg</pre>	60 120 180 240 294
<210> 307 <211> 181 <212> DNA <213> Homo sapien	
<400> 307 aaaaatccat gacaccttga tagaaattag agtttacaca aacaaaaaag gaaccttcga tattgccagc agctataaag tgaacgtact gagaccgaca ggacagcaag aaggcatttg cacatttata tctgacaccc gaccatactt tcagtcacca gaatatcttc tctccagatt t	60 120 180 181
<210> 308 <211> 179 <212> DNA <213> Homo sapien	
<220> <221> misc_feature <222> (1)(179) <223> n = A,T,C or G	
<400> 308 aaggetgagg actgetggga geteagatea geeeggaget actggeteat gggeageeaa aaaataetgg atetgetgaa egaaggetea geeeggagate teegeagtet teagegeatt ggeeegaaga aggeeeanet aategtggge tggegggage teeaeggeee etteageea	60 120 179

```
<210> 309
      <211> 129
      <212> DNA
      <213> Homo sapien
      <220>
      <221> misc_feature
      <222> (1)...(129)
      \langle 223 \rangle n = A,T,C or G
      <400> 309
                                                                          60
ctgcccgctt gcccgtagct gactcagntt cctcatcttc atctccatcc tcttcctcac
                                                                         120
catcaccttc ttcttcctcc tcctcttcct ccccaccttc ttcctcttct tcgtctacct
                                                                         129
cattgtcag
      <210> 310
      <211> 390
      <212> DNA
      <213> Homo sapien
      <400> 310
tgaggctggg ggagagccgt ggtccctgag gatgggtcag agctaaactc cttcctggcc
                                                                          60
tgagagtcag etetetgeee tgtgtaette eegggeeagg getgeeeeta atetetgtag
                                                                         120
gaaccgtggt atgtctgcat gttgcccctt tctcttttcc cctttcctgt cccaccatac
                                                                         180
gagcacctcc agcctgaaca gaagctctta ctctttccta tttcagtgtt acctgtgtgc
                                                                         240
                                                                         300
ttggtctgtt tgactttacg cccatctcag gacacttccg tagactgttt aggttcccct
gtcaaatatc agttacccac tcggtcccag ttttgttgcc ccagaaaggg atgttattat
                                                                         360
                                                                         390
ccttgggggc tcccagggca agggttaagg
      <210> 311
      <211> 355
      <212> DNA
      <213> Homo sapien
      <220>
      <221> misc feature
      <222> (1)...(355)
      <223> n = A,T,C \text{ or } G
      <400> 311
                                                                          60
cctctctgtg ctgctgaagg cagatcgctt gttccacacc agctaccact cccaggcagt
                                                                         120
gcatatccgc ctgttgagaa atgccgtgtc tagattgtgg acaagagcct gcgtgattat
gctatangga naaaaattct tcgagttcca cccnanctcc tctaaacatt tggctcactc
                                                                         180
aaaacaaaaa gncaccaatc ttantactgc tgaacttcat ttatgtnacc taacattaac
                                                                         240
cntcgtagga aaaccaaata gccctctcgt ncangatatg ttgctaaagg actaccntgt
                                                                         300
                                                                         355
tcaacacaac ggctccggtg tgtgaactcc tgtttgggtg attcccctac tctca
      <210> 312
      <211> 498
      <212> DNA
      <213> Homo sapien
      <400> 312
```

ccattcttt gaatctaatc tgtccaccga gagagctgaa ttgttgagat tggggaacaa ctcattttct atcttacat aatactgaag atataaagta gagtagaact ggaaggagta tccaagtgc aggtcctgtt catgcaatct tctgctaagt gggcatcttt ttcatcag	aagtttette tgggaacace tetggateaa gaattgetet etegeatgga cagttttgea	tgcagaccga aaggtaactc cctgtccaaa tattttatca atctttcacc gagcttttct	tcctttcta cagttacgaa ttttcttccg caattatcat ttctgtcctt atattaagct	acggtttgcc tcatgtcact tagttccatt gatttttgtt ctgcatcagt tgaacttatt	60 120 180 240 300 360 420 480 498
<210> 313 <211> 653 <212> DNA <213> Homo sapie	en				
<pre><400> 313 aaacttatca gatttttta aaaaacaaaa acaaaaacgc ttttcgctaa agtactggaa tagaatagct ctcacccaaa ggtaaacagt gcccatatta ttctttgaga ttcttggagt gctccaacta ttcctcagaa tccatggagc tctgtgtaca tacagcaagc cacgcataaa ccctcggtga atgtggtact ggcggccagg ctctcggagt</pre> <pre><210> 314 <211> 513</pre>	atttaaggat atacctgttt cctcaaaaat tttgagactg gggtgagtca cgtcccaggt tgaaaattcc acatggagtg gtggctcgaa	acacgaagca ctaaaaacag aagagcagat gctctgctgc gggctgaaga ggagggagtg tccaagtgtg tagagcactg aggaagcaag	gtgaaaacaa ctttatattt agattttaga cctccctaag ctgcacaggc gcctgtcgat gcttttgtcg gtgtacctag ggacaggacc	agececagta gtecaetgee ageaagaaaa ceagtttaca catgteceet ttteaeteat aatteagaga ettagaaaca caggagaetg	60 120 180 240 300 360 420 480 540 600 653
<212> DNA <213> Homo sapie	en				
<pre><400> 314 ctggaagatt ttgctgcatt ctcagtacta tcttagcaca gtcggtgggg agggcctttt aaatcagtga aaggtaaaca ttctctgtga catatacaag aatcttcaaa gctcataaat gtctaggact ttatggctat taatagttat aattcttcta actatgctac atccaaacag</pre>	gactaacttc ctccccataa acaaggttaa tatatttttg ttcaactttt taattttact aatatcattt	tcccactccg atgcctgaac tgtaactcta tttttggagc caaataagaa atcaaaatat gaataattct	tcagaggtgg tttaatttat ttataaattt tataaattat attttaactt ccaagggact	caggtggcgg accatataag tgcattttt ttaatttagc caaataagaa ccattcaatg	60 120 180 240 300 360 420 480 513
<210> 315 <211> 222 <212> DNA <213> Homo sapid <220> <221> misc_featu <222> (1)(222 <223> n = A,T,C	ıre 2)				

60

120 180

222

<400> 315 atttatattc aaggnatctc aaagaaagca ttttcatttc actgcacatc tagagaaaaa caaaaataga aaattttcta gtccatccta atctgaatgg tgctgtttct atattggtca ttgccttgca aacaggagct ccacaaaagc caggaagaga gactgcctcc ttggctgaaa gagtcctttc aggaaggtgg actgcattgg tttgatatgt tt <210> 316 <211> 1633 <212> DNA <213> Homo sapiens <400> 316 cgtggaggca gctagcgcga ggctggggag cgctgagccg cgcgtcgtgc cctgcgctgc 60 ccagactage gaacaataca gtegggatgg etaaaggtga eeccaagaaa ecaaagggca 120 agacgtccgc ttatgccttc tttgtgcaga catgcagaga agaacataag aagaaaaacc 180 cagaggtccc tgtcaatttt gcggaatttt ccaagaagtg ctctgagagg tggaagacgg 240 tgtccgggaa agagaaatcc aaatttgatg aaatggcaaa ggcagataaa gtgcgctatg 300 atcgggaaat gaaggattat ggaccagcta agggaggcaa gaagaagaag gatcctaatg 360 aatccacaaa ccccggcatc tctattggag acgtggcaaa aaagctgggt gagatgtgga 480 ataatttaaa tgacagtgaa aagcagcctt acatcactaa ggcggcaaag ctgaaggaga 540 agtatgagaa ggatgttgct gactataagt cgaaaggaaa gtttgatggt gcaaagggtc 600 ctgctaaagt tgcccggaaa aaggtggaag aggaagatga agaacaggag gaggaagaag 660 aggaggagga ggaggaggag gatgaataaa gaaactgttt atctgtctcc ttgtgaatac 720 ttagagtagg ggagcgccgt aattgacaca tctcttattt gagaagtgtc tgttgccctc 780 attaggttta attacaaaat ttgatcacga tcatattgta gtctctcaaa gtgctctaga 840 aattgtcagt ggtttacatg aagtggccat gggtgtctgg agcaccctga aactgtatca 900 aagttgtaca tatttccaaa catttttaaa atgaaaaggc actctcgtgt tctcctcact 960 ctgtgcactt tgctgttggt gtgacaaggc atttaaagat gtttctggca ttttctttt 1020 atttgtaagg tggtggtaac tatggttatt ggctagaaat cctgagtttt caactgtata 1080 tatctatagt ttgtaaaaag aacaaaacaa ccgagacaaa cccttgatgc tccttgctcg 1140 gcgttgaggc tgtggggaag atgccttttg ggagaggctg tagctcaggg cgtgcactgt 1200 gaggetggac etgttgacte tgcagggggc atceatttag ettcaggttg tettgtttet 1260 gtatatagtg acatagcatt ctgctgccat cttagctgtg gacaaagggg ggtcagctgg 1320 catgagaata tttttttta agtgcggtag tttttaaact gtttgttttt aaacaaacta 1380 tagaactctt cattgtcagc aaagcaaaga gtcactgcat caatgaaagt tcaagaacct 1440 cctgtactta aacacgattc gcaacgttct gttatttttt ttgtatgttt agaatgctga 1500 aatgtttttg aagttaaata aacagtatta catttttaga actcttctct actataacag 1560 tcaatttctg actcacagca gtgaacaaac ccccactccg ttgtatttgg agactggcct 1620 1633 ccctataaat gtg <210> 317 <211> 4235 <212> DNA <213> Homo sapiens <400> 317 gaatccaagg gggccagttc ctgccgtctg ctcttctgcc tcttgatctc cgccaccgtc 60 ttcaggccag gccttggatg gtatactgta aattcagcat atggagatac cattatcata 120 ccttgccgac ttgacgtacc tcagaatctc atgtttggca aatggaaata tgaaaagccc 180 gatggctccc cagtatttat tgccttcaga tcctctacaa agaaaagtgt gcagtacgac 240 gatgtaccag aatacaaaga cagattgaac ctctcagaaa actacacttt gtctatcagt 300 aatgcaagga tcagtgatga aaagagattt gtgtgcatgc tagtaactga ggacaacgtg 360

tttgaggcac ctacaatagt caaggtgttc aagcaaccat ctaaacctga aattgtaagc 420 aaagcactgt ttctcgaaac agagcagcta aaaaagttgg gtgactgcat ttcagaagac 480 agttatccag atggcaatat cacatggtac aggaatggaa aagtgctaca tccccttgaa 540 ggagcggtgg tcataatttt taaaaaggaa atggacccag tgactcagct ctataccatg 600 acttccaccc tggagtacaa gacaaccaag gctgacatac aaatgccatt cacctgctcg 660 gtgacatatt atggaccatc tggccagaaa acaattcatt ctgaacaggc agtatttgat 720 atttactatc ctacagagca ggtgacaata caagtgctgc caccaaaaaa tgccatcaaa 780 gaaggggata acatcactct taaatgctta gggaatggca accctccccc agaggaattt 840 ttgttttact taccaggaca gcccgaagga ataagaagct caaatactta cacactgacg 900 gatgtgaggc gcaatgcaac aggagactac aagtgttccc tgatagacaa aaaaagcatg 960 attgcttcaa cagccatcac agttcactat ttggatttgt ccttaaaccc aagtggagaa 1020 gtgactagac agattggtga tgccctaccc gtgtcatgca caatatctgc tagcaggaat 1080 gcaactgtgg tatggatgaa agataacatc aggcttcgat ctagcccgtc attttctagt 1140 cttcattatc aggatgctgg aaactatgtc tgcgaaactg ctctgcagga ggttgaagga 1200 ctaaagaaaa gagagtcatt gactctcatt gtagaaggca aacctcaaat aaaaatgaca 1260 aagaaaactg atcccagtgg actatctaaa acaataatct gccatgtgga aggttttcca 1320 aagccagcca ttcagtggac aattactggc agtggaagcg tcataaacca aacagaggaa 1380 tctccttata ttaatggcag gtattatagt aaaattatca tttcccctga agagaatgtt 1440 acattaactt gcacagcaga aaaccaactg gagagaacag taaactcctt gaatgtctct 1500 gctataagta ttccagaaca cgatgaggca gacgagataa gtgatgaaaa cagagaaaag 1560 gtgaatgacc aggcaaaact aattgtggga atcgttgttg gtctcctcct tgctgccctt 1620 gttgctggtg tcgtctactg gctgtacatg aagaagtcaa agactgcatc aaaacatgta 1680 aacaaggacc tcggtaatat ggaagaaaac aaaaagttag aagaaaacaa tcacaaaact 1740 gaagcctaag agagaaactg tcctagttgt ccagagataa aaatcatata gaccaattga 1800 agcatgaacg tggattgtat ttaagacata aacaaagaca ttgacagcaa ttcatgttca 1860 agtattaagc agttcattct accaagctgt cacaggtttt cagagaatta tctcaagtaa 1920 aacaaatgaa atttaattac aaacaataag aacaagtttt ggcagccatg ataataggtc 1980 atatgttgtg tttggttcaa ttttttttcc gtaaatgtct gcactgagga tttctttttg 2040 gtttgccttt tatgtaaatt ttttacgtag ctatttttat acactgtaag ctttgttctg 2100 ggagttgctg ttaatctgat gtataatgta atgtttttat ttcaattgtt tatatggata 2160 atctgagcag gtacatttct gattctgatt gctatcagca atgccccaaa ctttctcata 2220 agcacctaaa acccaaaggt ggcagcttgt gaagattggg gacactcata ttgccctaat 2280 taaaaactgt gatttttatc acaagggagg ggaggccgag agtcagactg atagacacca 2340 taggageega etetttgata tgeeaceage gaacteteag aaataaatea eagatgeata 2400 tagacacaca tacataatgg tactcccaaa ctgacaattt tacctattct gaaaaagaca 2460 taaaacagaa tttggtagca cttacctcta cagacacctg ctaataaatt attttctgtc 2520 aaaagaaaaa acacaagcat gtgtgagaga cagtttggaa aaatcatggt caacattccc 2580 attttcatag atcacaatgt aaatcactat aattacaaat tggtgttaaa tcctttgggt 2640 tatccactgc cttaaaatta tacctatttc atgtttaaaa agatatcaat cagaattgga 2700 gtttttaaca gtggtcatta tcaaagctgt gttattttcc acagaatata gaatatatat 2760 ttttttcgtg tgtgtttttg ttaactaccc tacagatatt gaatgcacct tgagataatt 2820 tagtgtttta actgatacat aatttatcaa gcagtacatg aaagtgtaat aataaaatgt 2880 ctatgtatct ttagttacat tcaaatttgt aactttataa acatgtttta tgcttgagga 2940 aatttttaag gtggtagtat aaatggaaac tttttgaagt agaccagata tgggctactt 3000 gtgactagac ttttaaactt tgctctttca agcagaagcc tggtttctgg gagaacactg 3060 cacagtgatt tctttcccag gatttacaca actttaaagg gaagataaat gaacatcaga 3120 tttctaggta tagaactatg ttattgaaag gaaaaggaaa actggtgttt gtttcttaga 3180 ctcatgaaat aaaaaattat gaaggcaatg aaaaataaat tgaaaattaa agtcagatga 3240 gaataggaat aatactttgc cacttctgca ttatttagaa acatacgtta ttgtacattt 3300 gtaaaccatt tactgtctgg gcaatagtga ctccgtttaa taaaagcttc cgtagtgcat 3360 tggtatggat taaatgcata aaatatetta gaetegatge tgtataaaat attatgggaa 3420 aaaagaaata cgttattttg cctctaaact tttattgaag ttttatttgg caggaaaaaa 3480 aattgaatct tggtcaacat ttaaaccaaa gtaaaagggg aaaaaccaaa gttatttgtt 3540 ttgcatggct aagccattct gttatctctg taaatactgt gatttctttt ttattttctc 3600 tttagaattt tgttaaagaa attctaaaat ttttaaacac ctgctctcca caataaatca 3660 caaacactaa aataaaatta cttccatata aatattattt tctcttttgg tgtgggagat 3720 caaaggttta aagtctaact tctaagatat atttgcagaa agaagcaaca tgacaataga 3780 gagagttatg ctacattatt tcttggtttc cacttgcaat ggttaattaa gtccaaaaac 3840 agctgtcaga acctcgagag cagaacatga gaaactcaga gctctggacc gaaagcagaa 3900 agtttgccgg aaaaaaaaag accacattat taccatcgat tcagtgcctg gataaagagg 3960 aaagcttact tgtttaatgg cagccacatg cacgaagatg ctaagaagaa aaagaattcc 4020 aaatcctcaa cttttgaggt ttcggctctc caatttaact ctttggcaac aggaaacagg 4080 ttttgcaagt tcaaggttca ctccctatat gtgattatag gaattgtttg tggaaatgga 4140 ttaacatacc cgtctatgcc taaaagataa taagaaaact gaaatatgtc ttcaaaaaaa 4200 4235 aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaa <210> 318 <211> 3347 <212> DNA <213> Homo sapiens <400> 318 atcccttgga ggcattcatg gctgaagtgg aggatcaggc agctagagac atgaagaggc 60 ttgaagaaaa ggacaaggaa agaaaaaacg taaagggtat tcgagatgac attgaagagg 120 aagatgacca agaagcttat tttcgataca tggcagaaaa cccaactgct ggtgtggttc 180 aggaggaaga ggaagacaat ctagaatatg atagtgacgg aaatccaatt gcacctacca 240 aaaaaatcat tgatcctctt ccccccattg atcattcaga gattgactat ccaccatttg 300 aaaaaaactt ttacaatgag catgaagaga taaccaacct cactccacag cagttaatag 360 atctccggca taagctcaat cttcgggtct ctggtgctgc acctcctaga ccaggaagta 420 gctttgctca ttttgggttt gacgaacaac ttatgcacca gattcggaaa tctgaataca 480 cacageceae tecaatacag tgecagggtg tgeetgtgge attaagtggt agagacatga 540 ttggtattgc caaaacaggt agtgggaaaa ctgcagcctt catttggccc atgttgattc 600 atataatgga ccagaaggag ttggaaccag gtgatggacc aattgcagtg attgtgtgtc 660 ctaccaggga gctttgccag cagatccatg cagaatgtaa gcggtttgga aaagcatata 720 atcttcgatc agtggccgta tatggaggag ggagtatgtg ggagcaggcc aaggcccttc 780 aggagggggc agagattgtt gtgtgtaccc caggtcgact gatagatcat gtgaaaaaga 840 aagctaccaa tottcaaaga gtotottaco ttgtgtttga tgaagcagat cgaatgtttg 900 acatgggatt tgagtaccaa gttcgatcca tagcaagtca tgttcgtcct gacaggcaga 960 ctctcttatt tagtgcaact tttcggaaga agattgaaaa gttggccaga gacatcctga 1020 tcgaccctat tcgagtggtg cagggagata ttggagaggc aaatgaagat gtgacacaga 1080 ttgtggagat tctccattct ggacctagta aatggaactg gcttacccgg cgtctggtag 1140 aatttacctc ttcagggagt gtcctcctct ttgttactaa aaaagccaat gctgaagagc 1200 tagcgaataa ccttaaacag gagggtcata atcttgggct gctccatggg gatatggatc 1260 agagtgagag aaacaaggtc atttcagact ttaagaaaaa ggacatccca gtcctggtgg 1320 ccacagatgt tgcagcccgt ggtctggaca ttccttcaat taagactgtc attaactatg 1380 atgtggcacg agacattgat acccacacgc ataggattgg ccgcacagga agagcgggtg 1440 agaaaggtgt ggcctatacc ctactcactc ccaaggacag caattttgct ggtgacctgg 1500 tccggaactt ggaaggagcc aatcaacacg tttctaagga actcctagat ctggcaatgc 1560 agaatgcctg gtttcggaaa tctcgattca aaggagggaa aggaaaaaag ctgaacattg 1620 gtggaggagg cctaggctac agggagcggc ctggcctggg ctctgagaac atggatcgag 1680 gaaataacaa tgtaatgagc aattatgagg cctacaagcc ttccacagga gctatgggag 1740 atcgactaac ggcaatgaaa gcagctttcc agtcacagta caagagtcac tttgttgcag 1800 ccagtttaag taatcagaag gctggaagtt ctgctgctgg ggcaagtggg tggactagtg 1860 cagggagett gaattetgtt ccaactaact cagcacaaca gggecataac agteetgaca 1920 geoecgteae cagtgeegee aagggeatee caggetttgg caatactgge aacateagtg 1980 gtgcccctgt gacctacccg tctgccggag cccaaggagt caacaacaca gcttcaggga 2040 ataacagccg agaagggact gggggcagca acgggaaaag agagagatat actgagaacc 2100

ggggcagcag cccgtcacag tcacggagag actggcaatc ggcatagcga tagtccacgt 2160

cacggagatg (gtggtcgcca	tggagatgga	taccgccatc	cagaaagcag	cagccgtcat	2220
actgatggcc	atcggcacgg	ggagaacaga	catggaggaa	gcgcaggccg	gcatggggag	2280
aaccggggtg	caaatgatgg	tcggaatggg	gaaagcagga	aagaagcttt	taatcgtgag	2340
agcaagatgg	agcccaagat	ggaacccaaa	gtggacagca	gcaagatgga	caaggtggac	2400
agcaagacag	ataagacagc	tgacggcttt	gctgtcccag	agccgcctaa	acgcaagaaa	2460
agtcgatggg	acagttagag	gggatgtgct	aaagcgtgaa	atcagttgtc	cttaattttt	2520
agaaagattt	tggtaactag	gtgtctcagg	gctgggttgg	ggtccaaagt	gtaaggaccc	2580
cctgccctta						
ggatgttttc	ttgggaagct	gttttggtcc	ttggaagcag	tgagagctgg	gaagcttctt	2700
ttggctctag	gtgagttgtc	atgtgggtaa	gttgaggtta	tcttgggata	aagggtcttc	2760
tagggcacaa	aactcactct	aggtttatat	tgtatgtagc	ttatatttt	tactaaggtg	2820
tcaccttata .	agcatctata	aattgacttc	tttttcttag	ttgtatggcc	aggcagtccc	2880
cattttagga (gttggcttct	gcaaattcaa	tccattgagc	taactgttgg	ggagcaattt	2940
ggtagttgta	qacatttgca	gggaagggag	atgtctgatt	ctaaatggga	gttgatgctc	3000
aggtccccag	ccaggtttgc	atccagccct	gagacatgta	ggaaacacct	ttcagaccca	3060
ggctctgaag						
tccaggattg	ctccaggttt	gagatggtat	tgctaaattt	aaaattaaac	aagaaaccca	3180
acaacagctt	ttaaagtgtc	ttctatctca	ttgtattttt	tttaacttgc	cccaatgata	3240
gaaaagtctt	ttgctgaaat	gattttgatg	atttttgttt	atcgtttata	aaaaggaaaa	3300
gaaatataca						3347
•	_	_				

<210> 319 <211> 1814 <212> DNA <213> Homo sapiens

<400> 319						
	tccgagccgc	gccgccgccg	ctqttcctqc	tgctgctgct	gctgctgctg	60
		aggcgaggca				
cccaaactaa	ccaaqcaqcc	gtctttccgc	cagtactccg	gctacctcaa	aagctccggc	180
		gtttgtggag				
atactttaac	tcaatqqqqq	tcccggctgc	agctcactag	atgggctcct	cacagagcat	300
gaccccttcc	tggtccagcc	agatggtgtc	accctggagt	acaaccccta	ttcttggaat	360
ctgattgcca	atgtgttata	cctggagtcc	ccagctgggg	tgggcttctc	ctactccgat	420
gacaagtttt	atgcaactaa	tgacactgag	gtcgcccaga	gcaattttga	ggcccttcaa	480
gatttcttcc	gcctctttcc	ggagtacaag	aacaacaaac	ttttcctgac	cggggagagc	540
tatqctqqca	tctacatccc	caccctggcc	gtgctggtca	tgcaggatcc	cagcatgaac	600
cttcaggggc	tggctatggg	caatggactc	tcctcctatg	agcagaatga	caactccctg	660
gtctactttg	ccta cca	tggccttctg	gggaacaggc	tttggtcttc	tctccagacc	720
		gtgtaacttc				
		catcgtgggc				
		gcccagccat				
caggatttgg	gcaacatctt	cactcgcctg	ccactcaagc	ggatgtggca	tcaggcactg	960
ctqcqctcaq	qqqataaagt	gcgcatggac	ccccctgca	ccaacacaac	agctgcttcc	1020
		cgtgcggaag				
tgggacatgt	gcaactttct	ggtaaactta	cagtaccgcc	gtctctaccg	aagcatgaac	1140
tcccagtatc	tgaagctgct	tagctcacag	aaataccaga	tcctattata	taatggagat	1200
gtagacatgg	cctgcaattt	catgggggat	gagtggtttg	tggattccct	caaccagaag	1260
atqqaqqtqc	agegeeggee	ctggttagtg	aagtacgggg	acagcgggga	gcagattgcc	1320
ggcttcgtga	aggagttctc	ccacatcgcc	tttctcacga	tcaagggcgc	cggccacatg	1380
		cgctgccttc				
		accagctcca				
		aagcaaagtg				
		tacatcccag				
•		_				

gggggcaagt tagcacttta ttcccgcagc agttcctgaa tggggtggcc tggccccttc 1680 tetgettaaa gaatgeeett tatgatgeae tgatteeate eeaggaacee aacagagete 1740 aggacagccc acagggaggt ggtggacgga ctgtaattga tagattgatt atggaattaa 1800 1814 attgggtaca gctt <210> 320 <211> 3132 <212> DNA <213> Homo sapiens <400> 320 cegcagaact tggggageeg eegeegeeat eegeegeege ageeagette egeegeegea 60 ggaccggccc ctgccccagc ctccgcagcc gcggcgcgtc cacgcccgcc cgcgcccagg 120 gegagteggg gtegeegeet geaegettet eagtgtteee egegeeeege atgtaaeeeg 180 gecaggeece egeaacggtg teceetgeag etecageece gggetgeace ecceegeece 240 gacaccaget etecageetg etegtecagg atggeegegg ccaaggeega gatgeagetg 300 atgtccccgc tgcagatctc tgacccgttc ggatcctttc ctcactcgcc caccatggac 360 aactacccta agctggagga gatgatgctg ctgagcaacg gggctcccca gttcctcggc 420 ggaggcggcg ggggcggcag caacagcagc agcagcagca gcaccttcaa ccctcaggcg 540 gacacgggcg agcagcccta cgagcacctg accgcagagt cttttcctga catctctctg 600 aacaacgaga aggtgctggt ggagaccagt taccccagcc aaaccactcg actgccccc 660 atcacctata ctggccgctt ttccctggag cctgcaccca acagtggcaa caccttgtgg 720 cccgagcccc tcttcagctt ggtcagtggc ctagtgagca tgaccaaccc accggcctcc 780 tegtecteag caccatetee ageggeetee teegeeteeg ceteceagag eccaeceetg 840 agctgcgcag tgccatccaa cgacagcagt cccatttact cagcggcacc caccttcccc 900 acgccgaaca ctgacatttt ccctgagcca caaagccagg ccttcccggg ctcggcaggg 960 acagegetee agtaceegee teetgeetae eetgeegeea agggtggett eeaggtteee 1020 atgateceeg actaeetgtt tecacageag cagggggate tgggeetggg caeececagae 1080 cagaagccct tccagggcct ggagagccgc acccagcagc cttcgctaac ccctctgtct 1140 actattaagg cctttgccac tcagtcgggc tcccaggacc tgaaggccct caataccagc 1200 taccagtccc agctcatcaa acccagccgc atgcgcaagt atcccaaccg gcccagcaag 1260 acgcccccc acgaacgccc ttacgcttgc ccagtggagt cctgtgatcg ccgcttctcc 1320 cgctccgacg agctcacccg ccacatccgc atccacacag gccagaagcc cttccagtgc 1380 cgcatctgca tgcgcaactt cagccgcagc gaccacctca ccacccacat ccgcacccac 1440 acaggcgaaa agcccttcgc ctgcgacatc tgtggaagaa agtttgccag gagcgatgaa 1500 cgcaagaggc ataccaagat ccacttgcgg cagaaggaca agaaagcaga caaaagtgtt 1560 gtggcctctt cggccacctc ctctctctt tcctacccgt ccccggttgc tacctcttac 1620 ccgtccccgg ttactacctc ttatccatcc ccggccacca cctcataccc atcccctgtg 1680 cccacctcct tctcctctcc cggctcctcg acctacccat cccctgtgca cagtggcttc 1740 ccctccccgt cggtggccac cacgtactcc tctgttcccc ctgctttccc ggcccaggtc 1800 agcagettee ettecteage tgteaceaac teetteageg eetecacagg gettteggae 1860 atgacagcaa ccttttctcc caggacaatt gaaatttgct aaagggaaag gggaaagaaa 1920 gggaaaaggg agaaaaagaa acacaagaga cttaaaggac aggaggagga gatggccata 1980 ggagaggagg gttcctctta ggtcagatgg aggttctcag agccaagtcc tccctctta 2040 ctggagtgga aggtctattg gccaacaatc ctttctgccc acttcccctt ccccaattac 2100 tattcccttt gacttcagct gcctgaaaca gccatgtcca agttcttcac ctctatccaa 2160 agaacttgat ttgcatggat tttggataaa tcatttcagt atcatctcca tcatatgcct 2220 gaccccttgc tcccttcaat gctagaaaat cgagttggca aaatggggtt tgggcccctc 2280 agagecetge eetgeaceet tgtacagtgt etgtgecatg gatttegttt ttettggggt 2340 actcttgatg tgaagataat ttgcatattc tattgtatta tttggagtta ggtcctcact 2400 tgggggaaaa aaaaaaaaa aagccaagca aaccaatggt gatcctctat tttgtgatga 2460 tgctgtgaca ataagtttga accttttttt ttgaaacagc agtcccagta ttctcagagc 2520 atgtgtcaga gtgttgttcc gttaaccttt ttgtaaatac tgcttgaccg tactctcaca 2580 tgtggcaaaa tatggtttgg tttttctttt ttttttttga aagtgttttt tcttcgtcct 2640 tttggtttaa aaagtttcac gtcttggtgc cttttgtgtg atgccccttg ctgatggctt 2700 gacatgtgca attgtgaggg acatgctcac ctctagcctt aaggggggca gggagtgatg 2760 agaatgtaag aaaacaaaat ctaaaacaaa atctgaactc tcaaaagtct atttttttaa 2880 ctgaaaatgt aaatttataa atatattcag gagttggaat gttgtagtta cctactgagt 2940 aggcggcgat ttttgtatgt tatgaacatg cagttcatta ttttgtggtt ctattttact 3000 ttgtacttgt gtttgcttaa acaaagtgac tgtttggctt ataaacacat tgaatgcgct 3060 ttattgccca tgggatatgt ggtgtatatc cttccaaaaa attaaaacga aaataaagta 3120 3132 gctgcgattg gg <210> 321 <211> 2280 <212> DNA <213> Homo sapiens <400> 321

ccgcccgcca ccagctacgc cccgtccgac gtgccctcgg gggtcgcgct gttcctcacc 60 atccctttcg ccttcttcct gcccgagctg atatttgggt tcttggtctg gaccatggta 120 gccgccaccc acatagtata ccccttgctg caaggatggg tgatgtatgt ctcgctcacc 180 tcgtttctca tctccttgat gttcctgttg tcttacttgt ttggatttta caaaagattt 240 gaatcctgga gagttctgga cagcctgtac cacgggacca ctggcatcct gtacatgagc 300 gctgccgtcc tacaagtaca tgccacgatt gtttctgaga aactgctgga cccaagaatt 360 tactacatta atteggeage etegttette geetteateg ecaegetget etaeattete 420 catgccttca gcatctatta ccactgatgc acaggcgcca ggccaagggg gaaatgctct 480 ttgaaagete caattattgg teeccaaaag cagetteeaa egtttgeeat etggatgaca 540 aacggaagat ccactaaaac gtccacggga ttaacagaac gtccttgcag actgagcgat 600 gacaccacac tttgtttgga catttaaatt cactctgctg aataggagga agcttttctt 660 tttcctggga aaacaactgt ctcttggaat tatctgacca tgaacttgct cttctagaca 720 actcacatca aagccctcac tccactaatg gagaatccta gccccactaa tgccaagtct 780 gtttggggat tttgcctcag ctatgggctt ccctagagta ggtctagggg aatactcagt 840 ctgatctttt ttttgtttgt tttattttgt tttttttgag acggagtctc gctcttcctc 900 caaggctgga gtgcagtgac gcgatctcca ctcactgcag gctccgcctc ccgggttccc 960 gccattctcc tgcctcagcc tcccgagtag ccgggactac aggcgcccac caccatgccc 1020 ggctaattta gttgtatttt tagtagagat ggggtttcac cgtattagcc aggatggtct 1080 cgatctcctg acctcgtgat ccgcccgcct cggcctccca aagtgctggg attacaggcg 1140 tgagccaccg tgcccggcct gattctctta aaattgaaga ggtgctgcca aggccttcag 1200 atctaacgca gatgcataga ccttgttcct ggtacttgtt cagcctgtgc tggggagccg 1260 tggtcccgag ttccctggga ggctgacagg gtcaagccac cctgcccacc accctcccac 1320 ttcccctccc ctttcctctc cagcattagg attcaaggga aatctgcatg aagccaattt 1380 tgagggtaga cgtgtgggga aaataaatca ttatacagta agacctgggg cttgaggggt 1440 ggggaatggg gagggaaggg catagcctgc tcctccatga gtctgacatc tcggaaactg 1500 agcagctgcc ggacgcctgg gtcaggaatc caagacccca cctcttaagg actggttcct 1560 cagaaagcac cctcagggaa aaaggtgaaa acattacatc cgtggattct cctgccacaa 1620 ccgcattgga agaaaaggct gccgcaacat ctcagcgagg agtgaaggac ccatgtccca 1680 ggaaccgcgc tgcgccacct gcactcaccc ccctcacatt ctcttaagca cccggtggcc 1740 ctccgaggct ggcggaatgg tggtgcccac ggggttgggc aagggctcac caggacctca 1800 acgggcaaag ttgtgcacac taaaatatca aatcaaggtg cttggtttta aagtaaatgt 1860 ttttctaaag aaagctgtgt tcttctgttg acccagacga atagggcaca gccctgtaac 1920 tgcacgtgcc ttctgtcatt gggaatgaaa taaattatta cgagaaaggg acttgtccta 1980 actggtttga ggccttacag ttttgtatct acatttttcc cctcctgggg tttgcgggga 2040 cagggacaga actacaggag tcatgggaaa gaaaattctg gcttcactac tgctcactgc 2100 aaaagcttct atgtgtctct ccttttgttg cctggcagct gtctaggatg atcactgatt 2220

```
actatttact aagtagccac atgcaaataa aagttgtttg gtaaaatgga aaaaaaaaa 2280
<210> 322
<211> 1398
<212> DNA
<213> Homo sapiens
<400> 322
tagatggcaa cctccctatc tgcccgcagg tcatagaggc gacacgtagc gtcatctgac 60
cctgaagcaa aggcatctcc actccaaagt tagacaaaat gccaggaatg ttcttctctg 120
ctaacccaaa ggaattgaaa ggaaccactc attcacttct agacgacaaa atgcaaaaaa 180
ggaggccaaa gacttttgga atggatatga aagcatacct gagatctatg atcccacatc 240
tggaatctgg aatgaaatct tccaagtcca aggatgtact ttctgctgct gaagtaatgc 300
aatggtetea atetetggaa aaaettettg eeaaccaaae tggteaaaat gtetttggaa 360
gtttcctaaa gtctgaattc agtgaggaga atattgagtt ctggctggct tgtgaagact 420
ataagaaaac agagtctgat cttttgccct gtaaagcaga agagatatat aaagcatttg 480
tgcattcaga tgctgctaaa caaatcaata ttgacttccg cactcgagaa tctacagcca 540
agaagattaa agcaccaacc cccacgtgtt ttgatgaagc acaaaaagtc atatatactc 600
ttatggaaaa ggactcttat cccaggttcc tcaaatcaga tatttactta aatcttctaa 660
atgacctgca ggctaatagc ctaaagtgac tggtccctgg ctgaagggaa ttaacagata 720
gtatcaaggc acgaaggaat gtgccagtat ggctccctgg gtgaacagct tggccttttt 780
tgggtgtctt gacaggccaa gaagaacaaa tgactcagaa tggattaaca tgaaagttat 840
ccaggcgcag agttgaagaa gcataagcaa gacaaaaaca gagagaccgc agaaggagga 900
agatactgtg gtactgtcat aaaaaacagt ggagctctgt attagaaagc ccctcagaac 960
tgggaaggcc aggtaactct agttacacag aaactgtgac taaagtctat gaaactgatt 1020
acaacagget gtaagaatea aagteaaetg acatetatge tacatattat tatatagttt 1080
gtactgagct attgaagtcc cattaactta aagtatatgt tttcaaattg ccattgctac 1140
tattgcttgt cggtgtattt tattttattg tttttgactt tggaagagat gaactgtgta 1200
tttaacttaa gctattgctc ttaaaaccag ggatcagaat atatttgtaa gttaaatcat 1260
tggtgctaat aataaatgtg gattttgtat taaaatatat agaagcaatt tctgtttaca 1320
tgtccttgct acttttaaaa acttgcattt attcctcaga ttttaaaaat aaataaataa 1380
                                                                   1398
ttcatttaaa aaaaaaaa
<210> 323
<211> 1316
<212> DNA
<213> Homo sapiens
<400> 323
acttctacct gctcactcag aatcatttct gcaccaacca tggccacgtt tgtggagctc 60
agtaccaaag ccaagatgcc cattgtgggc ctgggcactt ggaagtctcc tcttggcaaa 120
gtgaaagaag cagtgaaggt ggccattgat gcaggatatc ggcacattga ctgtgcctat 180
gtctatcaga atgaacatga agtgggggaa gccatccaag agaagatcca agagaaggct 240
gtgaagcggg aggacctgtt catcgtcagc aagttgtggc ccactttctt tgagagaccc 300
cttgtgagga aagcctttga gaagaccctc aaggacctga agctgagcta tctggacgtc 360
tatcttattc actggccaca gggattcaag tctggggatg accttttccc caaagatgat 420
aaaggtaatg ccatcggtgg aaaagcaacg ttcttggatg cctgggaggc catggaggag 480
ctggtggatg aggggctggt gaaagccctt ggggtctcca atttcagcca cttccagatc 540
gagaagetet tgaacaaace tggaetgaaa tataaaceag tgaetaacea ggttgagtgt 600
cacccatacc tcacacagga gaaactgatc cagtactgcc actccaaggg catcaccgtt 660
acggcctaca gccccctggg ctctccggat agaccttggg ccaagccaga agacccttcc 720
ctgctggagg atcccaagat taaggagatt gctgcaaagc acaaaaaaac cgcagcccag 780
gttctgatcc gtttccatat ccagaggaat gtgattgtca tccccaagtc tgtgacacca 840
gcacgcattg ttgagaacat tcaggtcttt gactttaaat tgagtgatga ggagatggca 900
```

accatactca gcttcaacag aaactggagg gcctgtaacg tgttgcaatc ctctcatttg 960 gaagactatc ccttcaatgc agaatattga ggttgaatct cctggtgaga ttatacagga 1020 gattetettt ettegetgaa gtgtgaetae etceaeteat gteecatttt agecaagett 1080 atttaagatc acagtgaact tagtcctgtt atagacgaga atcgaggtgc tgttttagac 1140 atttatttct gtatgttcaa ctaggatcag aatatcacag aaaagcatgg cttgaataag 1200 gaaatgacaa ttttttccac ttatctgatc agaacaaatg tttattaagc atcagaaact 1260 ctgccaacac tgaggatgta aagatcaata aaacaaataa taatcataaa aaaaaa <210> 324 <211> 200 <212> PRT <213> Homo sapiens <400> 324 Met Ala Lys Gly Asp Pro Lys Lys Pro Lys Gly Lys Thr Ser Ala Tyr Ala Phe Phe Val Gln Thr Cys Arg Glu Glu His Lys Lys Lys Asn Pro 20 Glu Val Pro Val Asn Phe Ala Glu Phe Ser Lys Lys Cys Ser Glu Arg Trp Lys Thr Val Ser Gly Lys Glu Lys Ser Lys Phe Asp Glu Met Ala 50 Lys Ala Asp Lys Val Arg Tyr Asp Arg Glu Met Lys Asp Tyr Gly Pro 65 Ala Lys Gly Gly Lys Lys Lys Asp Pro Asn Ala Pro Lys Arg Pro 90 Pro Ser Gly Phe Phe Leu Phe Cys Ser Glu Phe Arg Pro Lys Ile Lys 105 100 Ser Thr Asn Pro Gly Ile Ser Ile Gly Asp Val Ala Lys Lys Leu Gly Glu Met Trp Asn Asn Leu Asn Asp Ser Glu Lys Gln Pro Tyr Ile Thr 140 135 Lys Ala Ala Lys Leu Lys Glu Lys Tyr Glu Lys Asp Val Ala Asp Tyr 155 145

Lys Ser Lys Gly Lys Phe Asp Gly Ala Lys Gly Pro Ala Lys Val Ala

185

170

190

Glu Glu Glu Glu Glu Asp Glu 195 200

180

<210> 325 <211> 263 <212> PRT <213> Homo sapiens <400> 325 Met Phe Arg Asn Gln Tyr Asp Asn Asp Val Thr Val Trp Ser Pro Gln Gly Arg Ile His Gln Ile Glu Tyr Ala Met Glu Ala Val Lys Gln Gly Ser Ala Thr Val Gly Leu Lys Ser Lys Thr His Ala Val Leu Val Ala 40 Leu Lys Arg Ala Gln Ser Glu Leu Ala Ala His Gln Lys Lys Ile Leu His Val Asp Asn His Ile Gly Ile Ser Ile Ala Gly Leu Thr Ala Asp Ala Arg Leu Leu Cys Asn Phe Met Arg Gln Glu Cys Leu Asp Ser Arg 85 Phe Val Phe Asp Arg Pro Leu Pro Val Ser Arg Leu Val Ser Leu Ile 105 Gly Ser Lys Thr Gln Ile Pro Thr Gln Arg Tyr Gly Arg Arg Pro Tyr 115 Gly Val Gly Leu Leu Ile Ala Gly Tyr Asp Asp Met Gly Pro His Ile 135 130 Phe Gln Thr Cys Pro Ser Ala Asn Tyr Phe Asp Cys Arg Ala Met Ser 155 150 Ile Gly Ala Arg Ser Gln Ser Ala Arg Thr Tyr Leu Glu Arg His Met 165 Ser Glu Phe Met Glu Cys Asn Leu Asn Glu Leu Val Lys His Gly Leu Arg Ala Leu Arg Glu Thr Leu Pro Ala Glu Gln Asp Leu Thr Thr Lys 200 Asn Val Ser Ile Gly Ile Val Gly Lys Asp Leu Glu Phe Thr Ile Tyr 215 210 Asp Asp Asp Asp Val Ser Pro Phe Leu Glu Gly Leu Glu Glu Arg Pro 235 230

Gln Arg Lys Ala Gln Pro Ala Gln Pro Ala Asp Glu Pro Ala Glu Lys

250

Ala Asp Glu Pro Met Glu His 260

<210> 326

<211> 539

<212> PRT

<213> Homo sapiens

<400> 326

Met Pro Glu Asn Val Ala Pro Arg Ser Gly Ala Thr Ala Gly Ala Ala 5 10 15

Gly Gly Arg Gly Lys Gly Ala Tyr Gln Asp Arg Asp Lys Pro Ala Gln 20 25 30

Ile Arg Phe Ser Asn Ile Ser Ala Ala Lys Ala Val Ala Asp Ala Ile 35 40 45

Arg Thr Ser Leu Gly Pro Lys Gly Met Asp Lys Met Ile Gln Asp Gly
50 55 60

Lys Gly Asp Val Thr Ile Thr Asn Asp Gly Ala Thr Ile Leu Lys Gln 65 70 75 80

Met Gln Val Leu His Pro Ala Ala Arg Met Leu Val Glu Leu Ser Lys 85 90 95

Ala Gln Asp Ile Glu Ala Gly Asp Gly Thr Thr Ser Val Val Ile Ile
100 105 110

Ala Gly Ser Leu Leu Asp Ser Cys Thr Lys Leu Leu Gln Lys Gly Ile 115 120 125

His Pro Thr Ile Ile Ser Glu Ser Phe Gln Lys Ala Leu Glu Lys Gly 130 135 140

Glu Thr Leu Leu Asn Ser Ala Thr Thr Ser Leu Asn Ser Lys Val Val
165 170 175

Ser Gln Tyr Ser Ser Leu Leu Ser Pro Met Ser Val Asn Ala Val Met 180 185 190

Lys Val Ile Asp Pro Ala Thr Ala Thr Ser Val Asp Leu Arg Asp Ile
195 200 205

Lys Ile Val Lys Lys Leu Gly Gly Thr Ile Asp Asp Cys Glu Leu Val 210 215 220

Glu Gly Leu Val Leu Thr Gln Lys Val Ser Asn Ser Gly Ile Thr Arg 225 230 235 240 Val Glu Lys Ala Lys Ile Gly Leu Ile Gln Phe Cys Leu Ser Ala Pro Lys Thr Asp Met Asp Asn Gln Ile Val Val Ser Asp Tyr Ala Gln Met 265 Asp Arg Val Leu Arg Glu Glu Arg Ala Tyr Ile Leu Asn Leu Val Lys 280 Gln Ile Lys Lys Thr Gly Cys Asn Val Leu Leu Ile Gln Lys Ser Ile 295 Leu Arg Asp Ala Leu Ser Asp Leu Ala Leu His Phe Leu Asn Lys Met 315 305 Lys Ile Met Val Ile Lys Asp Ile Glu Arg Glu Asp Ile Glu Phe Ile 330 Cys Lys Thr Ile Gly Thr Lys Pro Val Ala His Ile Asp Gln Phe Thr 345 Ala Asp Met Leu Gly Ser Ala Glu Leu Ala Glu Glu Val Asn Leu Asn Gly Ser Gly Lys Leu Leu Lys Ile Thr Gly Cys Ala Ser Pro Gly Lys 375 Thr Val Thr Ile Val Val Arg Gly Ser Asn Lys Leu Val Ile Glu Glu 385 390 Ala Glu Arg Ser Ile His Asp Ala Leu Cys Val Ile Arg Cys Leu Val 410 405 Lys Lys Arg Ala Leu Ile Ala Gly Gly Gly Ala Pro Glu Ile Glu Leu Ala Leu Arg Leu Thr Glu Tyr Ser Arg Thr Leu Ser Gly Met Glu Ser Tyr Cys Val Arg Ala Phe Ala Asp Ala Met Glu Val Ile Pro Ser Thr 455 Leu Ala Glu Asn Ala Gly Leu Asn Pro Ile Ser Thr Val Thr Glu Leu 475 470 465 Arg Asn Arg His Ala Gln Gly Glu Lys Thr Ala Gly Ile Asn Val Arg 490 Lys Gly Gly Ile Ser Asn Ile Leu Glu Glu Leu Val Val Gln Pro Leu 505 500 Leu Val Ser Val Ser Ala Leu Thr Leu Ala Thr Glu Thr Val Arg Ser 525 515 520

Ile Leu Lys Ile Asp Asp Val Val Asn Thr Arg 530 535

<210> 327

<211> 144

<212> PRT

<213> Homo sapiens

<400> 327

Met Ala Phe Thr Phe Ala Ala Phe Cys Tyr Met Leu Ala Leu Leu Leu 5 10 15

Thr Ala Ala Leu Ile Phe Phe Ala Ile Trp His Ile Ile Ala Phe Asp 20 25 30

Glu Leu Lys Thr Asp Tyr Lys Asn Pro Ile Asp Gln Cys Asn Thr Leu 35 40 45

Asn Pro Leu Val Leu Pro Glu Tyr Leu Ile His Ala Phe Phe Cys Val 50 55 60

Met Phe Leu Cys Ala Ala Glu Trp Leu Thr Leu Gly Leu Asn Met Pro 65 70 75 80

Leu Leu Ala Tyr His Ile Trp Arg Tyr Met Ser Arg Pro Val Met Ser 85 90 95

Gly Pro Gly Leu Tyr Asp Pro Thr Thr Ile Met Asn Ala Asp Ile Leu 100 105 110

Ala Tyr Cys Gln Lys Glu Gly Trp Cys Lys Leu Ala Phe Tyr Leu Leu 115 120 125

Ala Phe Phe Tyr Tyr Leu Tyr Gly Met Ile Tyr Val Leu Val Ser Ser 130 135 140

<210> 328

<211> 138

<212> PRT

<213> Homo sapiens

<400> 328

Met Pro Asn Phe Ser Gly Asn Trp Lys Ile Ile Arg Ser Glu Asn Phe 5 10 15

Glu Glu Leu Leu Lys Val Leu Gly Val Asn Val Met Leu Arg Lys Ile $20 \hspace{1.5cm} 25 \hspace{1.5cm} 30$

Ala Val Ala Ala Ala Ser Lys Pro Ala Val Glu Ile Lys Gln Glu Gly 35 40 45

Asp Thr Phe Tyr Ile Lys Thr Ser Thr Thr Val Arg Thr Thr Glu Ile 50 55 60

Asn Phe Lys Val Gly Glu Glu Phe Glu Glu Gln Thr Val Asp Gly Arg
65 70 75 80

Pro Cys Lys Ser Leu Val Lys Trp Glu Ser Glu Asn Lys Met Val Cys 85 90 95

Glu Gln Lys Leu Leu Lys Gly Glu Gly Pro Lys Thr Ser Trp Thr Arg 100 105 110

Glu Leu Thr Asn Asp Gly Glu Leu Ile Leu Thr Met Thr Ala Asp Asp 115 120 125

Val Val Cys Thr Arg Val Tyr Val Arg Glu 130 135

<210> 329

<211> 346

<212> PRT

<213> Homo sapiens

<400> 329

Met Phe Leu Ser Ile Leu Val Ala Leu Cys Leu Trp Leu His Leu Ala 5 10 15

Leu Gly Val Arg Gly Ala Pro Cys Glu Ala Val Arg Ile Pro Met Cys 20 25 30

Arg His Met Pro Trp Asn Ile Thr Arg Met Pro Asn His Leu His His 35 40 45

Ser Thr Gln Glu Asn Ala Ile Leu Ala Ile Glu Gln Tyr Glu Glu Leu 50 55 60

Val Asp Val Asn Cys Ser Ala Val Leu Arg Phe Phe Phe Cys Ala Met 65 70 75 80

Tyr Ala Pro Ile Cys Thr Leu Glu Phe Leu His Asp Pro Ile Lys Pro 85 90 95

Cys Lys Ser Val Cys Gln Arg Ala Arg Asp Asp Cys Glu Pro Leu Met 100 105 110

Lys Met Tyr Asn His Ser Trp Pro Glu Ser Leu Ala Cys Asp Glu Leu 115 120 125

Pro Val Tyr Asp Arg Gly Val Cys Ile Ser Pro Glu Ala Ile Val Thr 130 135 140

Asp Leu Pro Glu Asp Val Lys Trp Ile Asp Ile Thr Pro Asp Met Met 145 150 155 160

Val Gln Glu Arg Pro Leu Asp Val Asp Cys Lys Arg Leu Ser Pro Asp 165 Arg Cys Lys Cys Lys Lys Val Lys Pro Thr Leu Ala Thr Tyr Leu Ser 180 Lys Asn Tyr Ser Tyr Val Ile His Ala Lys Ile Lys Ala Val Gln Arg 200 Ser Gly Cys Asn Glu Val Thr Thr Val Val Asp Val Lys Glu Ile Phe 215 Lys Ser Ser Ser Pro Ile Pro Arg Thr Gln Val Pro Leu Ile Thr Asn 235 230 Ser Ser Cys Gln Cys Pro His Ile Leu Pro His Gln Asp Val Leu Ile 250 245 Met Cys Tyr Glu Trp Arg Ser Arg Met Met Leu Leu Glu Asn Cys Leu 260 Val Glu Lys Trp Arg Asp Gln Leu Ser Lys Arg Ser Ile Gln Trp Glu 280 Glu Arg Leu Gln Glu Gln Arg Arg Thr Val Gln Asp Lys Lys Thr 295 Ala Gly Arg Thr Ser Arg Ser Asn Pro Pro Lys Pro Lys Gly Lys Pro 310 Pro Ala Pro Lys Pro Ala Ser Pro Lys Lys Asn Ile Lys Thr Arg Ser 325 Ala Gln Lys Arg Thr Asn Pro Lys Arg Val

<210> 330

<211> 826

<212> PRT

<213> Homo sapiens

<400> 330

Met Glu Gly Ala Gly Gly Ala Asn Asp Lys Lys Ile Ser Ser Glu

10 15

Arg Arg Lys Glu Lys Ser Arg Asp Ala Ala Arg Ser Arg Arg Ser Lys
20 25 30

Glu Ser Glu Val Phe Tyr Glu Leu Ala His Gln Leu Pro Leu Pro His 35 40 45

Asn Val Ser Ser His Leu Asp Lys Ala Ser Val Met Arg Leu Thr Ile

	50					55					60				
Ser 65	Tyr	Leu	Arg	Val	Arg 70	Lys	Leu	Leu	Asp	Ala 75	Gly	Asp	Leu	Asp	Ile 80
Glu	Asp	Asp	Met	Lys 85	Ala	Gln	Met	Asn	Cys 90	Phe	Tyr	Leu	Lys	Ala 95	Leu
Asp	Gly	Phe	Val 100	Met	Val	Leu	Thr	Asp 105	Asp	Gly	Asp	Met	Ile 110	Tyr	Ile
Ser	Asp	Asn 115	Val	Asn	Lys	Tyr	Met 120	Gly	Leu	Thr	Gln	Phe 125	Glu	Leu	Thr
Gly	His 130	Ser	Val	Phe	Asp	Phe 135	Thr	His	Pro	Cys	Asp 140	His	Glu	Glu	Met
Arg 145	Glu	Met	Leu	Thr	His 150	Arg	Asn	Gly	Leu	Val 155	Lys	Lys	Gly	Lys	Glu 160
Gln	Asn	Thr	Gln	Arg 165	Ser	Phe	Phe	Leu	Arg 170	Met	Lys	Cys	Thr	Leu 175	Thr
Ser	Arg	Gly	Arg 180	Thr	Met	Asn	Ile	Lys 185	Ser	Ala	Thr	Trp	Lys 190	Val	Leu
His	Cys	Thr 195	Gly	His	Ile	His	Val 200	Tyr	Asp	Thr	Asn	Ser 205	Asn	Gln	Pro
Gln	Cys 210	Gly	Tyr	Lys	Lys	Pro 215	Pro	Met	Thr	Cys	Leu 220	Val	Leu	Ile	Cys
Glu 225	Pro	Ile	Pro	His	Pro 230	Ser	Asn	Ile	Glu	Ile 235	Pro	Leu	Asp	Ser	Lys 240
Thr	Phe	Leu	Ser	Arg 245	His	Ser	Leu	Asp	Met 250	Lys	Phe	Ser	Tyr	Cys 255	Asp
Glu	Arg	Ile	Thr 260		Leu	Met	Gly	Tyr 265		Pro	Glu	Glu	Leu 270	Leu	Gly
Arg	Ser	Ile 275	Tyr	Glu	Tyr	Tyr	His 280	Ala	Leu	Asp	Ser	Asp 285	His	Leu	Thr
Lys	Thr 290	His	His	Asp	Met	Phe 295	Thr	Lys	Gly	Gln	Val 300	Thr	Thr	Gly	Gln
Tyr 305	Arg	Met	Leu	Ala	Lys 310	Arg	Gly	Gly	Tyr	Val 315	Trp	Val	Glu	Thr	Gln 320
Ala	Thr	Val	Ile	Tyr 325	Asn	Thr	Lys	Asn	Ser 330	Gln	Pro	Gln	Cys	Ile 335	Val
Cvs	Val	Asn	Tvr	Val	Val	Ser	Glv	Ile	Ile	Gln	His	Asp	Leu	Ile	Phe

			340					345					350		
Ser	Leu	Gln 355	Gln	Thr	Glu	Cys	Val 360	Leu	Lys	Pro	Val	Glu 365	Ser	Ser	Asp
Met	Lys 370	Met	Thr	Gln	Leu	Phe 375	Thr	Lys	Val	Glu	Ser 380	Glu	Asp	Thr	Ser
Ser 385	Leu	Phe	Asp	Lys	Leu 390	Lys	Lys	Glu	Pro	Asp 395	Ala	Leu	Thr	Leu	Leu 400
Ala	Pro	Ala	Ala	Gly 405	Asp	Thr	Ile	Ile	Ser 410	Leu	Asp	Phe	Gly	Ser 415	Asn
Asp	Thr	Glu	Thr 420	Asp	Asp	Gln	Gln	Leu 425	Glu	Glu	Val	Pro	Leu 430	Tyr	Asn
Asp	Val	Met 435	Leu	Pro	Ser	Pro	Asn 440	Glu	Lys	Leu	Gln	Asn 445	Ile	Asn	Leu
	450				Pro	455					460				
465					Leu 470					475					480
				485	Glu				490					495	
			500		Ser			505					510		
		515			Glu		520					525			
	530					535					540				Thr
545					550					555					Glu 560
				565	Ile				570					575	
			580		Pro			585					590		
Ala	Ser	Pro 595	Gln	Ser	Thr	Val	Thr 600	Val	Phe	Gln	Gln	Thr 605	Gln	Ile	Gln
Glu	Pro 610	Thr	Ala	Asn	Ala	Thr 615	Thr	Thr	Thr	Ala	Thr 620	Thr	Asp	Glu	Leu
Lys	Thr	Val	Thr	Lys	Asp	Arg	Met	Glu	Asp	Ile	Lys	Ile	Leu	Ile	Ala

635 640 630 625 Ser Pro Ser Pro Thr His Ile His Lys Glu Thr Thr Ser Ala Thr Ser 645 Ser Pro Tyr Arg Asp Thr Gln Ser Arg Thr Ala Ser Pro Asn Arg Ala 665 Gly Lys Gly Val Ile Glu Gln Thr Glu Lys Ser His Pro Arg Ser Pro 675 Asn Val Leu Ser Val Ala Leu Ser Gln Arg Thr Thr Val Pro Glu Glu 695 Glu Leu Asn Pro Lys Ile Leu Ala Leu Gln Asn Ala Gln Arg Lys Arg 715 Lys Met Glu His Asp Gly Ser Leu Phe Gln Ala Val Gly Ile Gly Thr 730 725 Leu Leu Gln Gln Pro Asp Asp His Ala Ala Thr Thr Ser Leu Ser Trp 745 Lys Arg Val Lys Gly Cys Lys Ser Ser Glu Gln Asn Gly Met Glu Gln Lys Thr Ile Ile Leu Ile Pro Ser Asp Leu Ala Cys Arg Leu Leu Gly 775 Gln Ser Met Asp Glu Ser Gly Leu Pro Gln Leu Thr Ser Tyr Asp Cys 795 Glu Val Asn Ala Pro Ile Gln Gly Ser Arg Asn Leu Leu Gln Gly Glu 810 Glu Leu Leu Arg Ala Leu Asp Gln Val Asn 820 <210> 331 <211> 92 <212> PRT <213> Homo sapiens <400> 331 Met Ala Tyr Arg Gly Gln Gly Gln Lys Val Gln Lys Val Met Val Gln Pro Ile Asn Leu Ile Phe Arg Tyr Leu Gln Asn Arg Ser Arg Ile Gln Val Trp Leu Tyr Glu Gln Val Asn Met Arg Ile Glu Gly Cys Ile Ile Gly Phe Asp Glu Tyr Met Asn Leu Val Leu Asp Asp Ala Glu Glu Ile 50 55 60

His Ser Lys Thr Lys Ser Arg Lys Gln Leu Gly Arg Ile Met Leu Lys 65 70 75 80

Gly Asp Asn Ile Thr Leu Leu Gln Ser Val Ser Asn \$85\$ 90

<210> 332

<211> 235

<212> PRT

<213> Homo sapiens

<400> 332

Met Asp Pro Ala Arg Pro Leu Gly Leu Ser Ile Leu Leu Leu Phe Leu
5 10 15

Thr Glu Ala Ala Leu Gly Asp Ala Ala Gln Glu Pro Thr Gly Asn Asn 20 25 30

Ala Glu Ile Cys Leu Leu Pro Leu Asp Tyr Gly Pro Cys Arg Ala Leu 35 40 45

Leu Leu Arg Tyr Tyr Tyr Asp Arg Tyr Thr Gln Ser Cys Arg Gln Phe 50 55 60

Leu Tyr Gly Gly Cys Glu Gly Asn Ala Asn Asn Phe Tyr Thr Trp Glu 65 70 75 80

Ala Cys Asp Asp Ala Cys Trp Arg Ile Glu Lys Val Pro Lys Val Cys 85 90 95

Arg Leu Gln Val Ser Val Asp Asp Gln Cys Glu Gly Ser Thr Glu Lys
100 105 110

Tyr Phe Phe Asn Leu Ser Ser Met Thr Cys Glu Lys Phe Phe Ser Gly
115 120 125

Gly Cys His Arg Asn Arg Ile Glu Asn Arg Phe Pro Asp Glu Ala Thr

Cys Met Gly Phe Cys Ala Pro Lys Lys Ile Pro Ser Phe Cys Tyr Ser 145 150 155 160

Pro Lys Asp Glu Gly Leu Cys Ser Ala Asn Val Thr Arg Tyr Tyr Phe 165 170 175

Asn Pro Arg Tyr Arg Thr Cys Asp Ala Phe Thr Tyr Thr Gly Cys Gly
180 185 190

Gly Asn Asp Asn Asn Phe Val Ser Arg Glu Asp Cys Lys Arg Ala Cys 195 200 205 Ala Lys Ala Leu Lys Lys Lys Lys Met Pro Lys Leu Arg Phe Ala 210 215 220

Ser Arg Ile Arg Lys Ile Arg Lys Lys Gln Phe 225 230 235

<210> 333

<211> 291

<212> PRT

<213> Homo sapiens

<400> 333

Met Gln Arg Ala Arg Pro Thr Leu Trp Ala Ala Ala Leu Thr Leu Leu
5 10 15

Val Leu Leu Arg Gly Pro Pro Val Ala Arg Ala Gly Ala Ser Ser Gly
20 25 30

Gly Leu Gly Pro Val Val Arg Cys Glu Pro Cys Asp Ala Arg Ala Leu 35 40 45

Ala Gln Cys Ala Pro Pro Pro Ala Val Cys Ala Glu Leu Val Arg Glu
50 55 60

Pro Gly Cys Gly Cys Cys Leu Thr Cys Ala Leu Ser Glu Gly Gln Pro 65 70 75 80

Cys Gly Ile Tyr Thr Glu Arg Cys Gly Ser Gly Leu Arg Cys Gln Pro 85 90 95

Ser Pro Asp Glu Ala Arg Pro Leu Gln Ala Leu Leu Asp Gly Arg Gly
100 105 110

Leu Cys Val Asn Ala Ser Ala Val Ser Arg Leu Arg Ala Tyr Leu Leu 115 120 125

Pro Ala Pro Pro Ala Pro Gly Asn Ala Ser Glu Ser Glu Glu Asp Arg 130 135 140

Ser Ala Gly Ser Val Glu Ser Pro Ser Val Ser Ser Thr His Arg Val 145 150 155 160

Ser Asp Pro Lys Phe His Pro Leu His Ser Lys Ile Ile Ile Lys 165 170 175

Lys Gly His Ala Lys Asp Ser Gln Arg Tyr Lys Val Asp Tyr Glu Ser 180 185 190

Gln Ser Thr Asp Thr Gln Asn Phe Ser Ser Glu Ser Lys Arg Glu Thr 195 200 205

Glu Tyr Gly Pro Cys Arg Glu Met Glu Asp Thr Leu Asn His Leu 210 215 220

Lys Phe Leu Asn Val Leu Ser Pro Arg Gly Val His Ile Pro Asn Cys 225 230 235 240

Asp Lys Lys Gly Phe Tyr Lys Lys Lys Gln Cys Arg Pro Ser Lys Gly
245 250 255

Arg Lys Arg Gly Phe Cys Trp Cys Val Asp Lys Tyr Gly Gln Pro Leu 260 265 270

Pro Gly Tyr Thr Thr Lys Gly Lys Glu Asp Val His Cys Tyr Ser Met 275 280 285

Gln Ser Lys 290

<210> 334

<211> 582

<212> PRT

<213> Homo sapiens

<400> 334

Glu Ser Lys Gly Ala Ser Ser Cys Arg Leu Leu Phe Cys Leu Leu Ile 5 10 15

Ser Ala Thr Val Phe Arg Pro Gly Leu Gly Trp Tyr Thr Val Asn Ser 20 25 30

Ala Tyr Gly Asp Thr Ile Ile Ile Pro Cys Arg Leu Asp Val Pro Gln
35 40 45

Asn Leu Met Phe Gly Lys Trp Lys Tyr Glu Lys Pro Asp Gly Ser Pro 50 55 60

Val Phe Ile Ala Phe Arg Ser Ser Thr Lys Lys Ser Val Gln Tyr Asp 65 70 75 80

Asp Val Pro Glu Tyr Lys Asp Arg Leu Asn Leu Ser Glu Asn Tyr Thr 85 90 95

Leu Ser Ile Ser Asn Ala Arg Ile Ser Asp Glu Lys Arg Phe Val Cys
100 105 110

Met Leu Val Thr Glu Asp Asn Val Phe Glu Ala Pro Thr Ile Val Lys 115 120 125

Val Phe Lys Gln Pro Ser Lys Pro Glu Ile Val Ser Lys Ala Leu Phe 130 135 140

Leu Glu Thr Glu Gln Leu Lys Lys Leu Gly Asp Cys Ile Ser Glu Asp 145 150 155 160

Ser Tyr Pro Asp Gly Asn Ile Thr Trp Tyr Arg Asn Gly Lys Val Leu

170 175 165 His Pro Leu Glu Gly Ala Val Val Ile Ile Phe Lys Lys Glu Met Asp 180 Pro Val Thr Gln Leu Tyr Thr Met Thr Ser Thr Leu Glu Tyr Lys Thr 200 Thr Lys Ala Asp Ile Gln Met Pro Phe Thr Cys Ser Val Thr Tyr Tyr 215 Gly Pro Ser Gly Gln Lys Thr Ile His Ser Glu Gln Ala Val Phe Asp Ile Tyr Tyr Pro Thr Glu Gln Val Thr Ile Gln Val Leu Pro Pro Lys Asn Ala Ile Lys Glu Gly Asp Asn Ile Thr Leu Lys Cys Leu Gly Asn 265 Gly Asn Pro Pro Pro Glu Glu Phe Leu Phe Tyr Leu Pro Gly Gln Pro 280 Glu Gly Ile Arg Ser Ser Asn Thr Tyr Thr Leu Thr Asp Val Arg Arg 290 Asn Ala Thr Gly Asp Tyr Lys Cys Ser Leu Ile Asp Lys Lys Ser Met 315 310 Ile Ala Ser Thr Ala Ile Thr Val His Tyr Leu Asp Leu Ser Leu Asn 325 330 Pro Ser Gly Glu Val Thr Arg Gln Ile Gly Asp Ala Leu Pro Val Ser 345 Cys Thr Ile Ser Ala Ser Arg Asn Ala Thr Val Val Trp Met Lys Asp 360 Asn Ile Arg Leu Arg Ser Ser Pro Ser Phe Ser Ser Leu His Tyr Gln 370 Asp Ala Gly Asn Tyr Val Cys Glu Thr Ala Leu Gln Glu Val Glu Gly 395 Leu Lys Lys Arg Glu Ser Leu Thr Leu Ile Val Glu Gly Lys Pro Gln 405 Ile Lys Met Thr Lys Lys Thr Asp Pro Ser Gly Leu Ser Lys Thr Ile Ile Cys His Val Glu Gly Phe Pro Lys Pro Ala Ile Gln Trp Thr Ile Thr Gly Ser Gly Ser Val Ile Asn Gln Thr Glu Glu Ser Pro Tyr Ile

460 455 450 Asn Gly Arg Tyr Tyr Ser Lys Ile Ile Ile Ser Pro Glu Glu Asn Val Thr Leu Thr Cys Thr Ala Glu Asn Gln Leu Glu Arg Thr Val Asn Ser 490 Leu Asn Val Ser Ala Ile Ser Ile Pro Glu His Asp Glu Ala Asp Glu 505 Ile Ser Asp Glu Asn Arg Glu Lys Val Asn Asp Gln Ala Lys Leu Ile Val Gly Ile Val Val Gly Leu Leu Leu Ala Ala Leu Val Ala Gly Val Val Tyr Trp Leu Tyr Met Lys Lys Ser Lys Thr Ala Ser Lys His Val 545 Asn Lys Asp Leu Gly Asn Met Glu Glu Asn Lys Lys Leu Glu Glu Asn 570 565 Asn His Lys Thr Glu Ala 580 <210> 335 <211> 709 <212> PRT <213> Homo sapiens <400> 335 Met Ala Glu Val Glu Asp Gln Ala Ala Arg Asp Met Lys Arg Leu Glu Glu Lys Asp Lys Glu Arg Lys Asn Val Lys Gly Ile Arg Asp Asp Ile 20 Glu Glu Glu Asp Asp Gln Glu Ala Tyr Phe Arg Tyr Met Ala Glu Asn Pro Thr Ala Gly Val Val Glu Glu Glu Glu Glu Asp Asn Leu Glu Tyr Asp Ser Asp Gly Asn Pro Ile Ala Pro Thr Lys Lys Ile Ile Asp Pro 65 Leu Pro Pro Ile Asp His Ser Glu Ile Asp Tyr Pro Pro Phe Glu Lys 90 Asn Phe Tyr Asn Glu His Glu Glu Ile Thr Asn Leu Thr Pro Gln Gln 105 100

Leu Ile Asp Leu Arg His Lys Leu Asn Leu Arg Val Ser Gly Ala Ala 120 Pro Pro Arg Pro Gly Ser Ser Phe Ala His Phe Gly Phe Asp Glu Gln 135 Leu Met His Gln Ile Arg Lys Ser Glu Tyr Thr Gln Pro Thr Pro Ile 155 150 Gln Cys Gln Gly Val Pro Val Ala Leu Ser Gly Arg Asp Met Ile Gly 165 Ile Ala Lys Thr Gly Ser Gly Lys Thr Ala Ala Phe Ile Trp Pro Met 185 Leu Ile His Ile Met Asp Gln Lys Glu Leu Glu Pro Gly Asp Gly Pro Ile Ala Val Ile Val Cys Pro Thr Arg Glu Leu Cys Gln Gln Ile His 215 Ala Glu Cys Lys Arg Phe Gly Lys Ala Tyr Asn Leu Arg Ser Val Ala 235 Val Tyr Gly Gly Gly Ser Met Trp Glu Gln Ala Lys Ala Leu Gln Glu 245 Gly Ala Glu Ile Val Val Cys Thr Pro Gly Arg Leu Ile Asp His Val 265 Lys Lys Lys Ala Thr Asn Leu Gln Arg Val Ser Tyr Leu Val Phe Asp 275 Glu Ala Asp Arg Met Phe Asp Met Gly Phe Glu Tyr Gln Val Arg Ser 295 Ile Ala Ser His Val Arg Pro Asp Arg Gln Thr Leu Leu Phe Ser Ala 315 Thr Phe Arg Lys Lys Ile Glu Lys Leu Ala Arg Asp Ile Leu Ile Asp Pro Ile Arq Val Val Gln Gly Asp Ile Gly Glu Ala Asn Glu Asp Val 345 Thr Gln Ile Val Glu Ile Leu His Ser Gly Pro Ser Lys Trp Asn Trp 355 Leu Thr Arg Arg Leu Val Glu Phe Thr Ser Ser Gly Ser Val Leu Leu 375 Phe Val Thr Lys Lys Ala Asn Ala Glu Glu Leu Ala Asn Asn Leu Lys 400 395

Gln Glu Gly His Asn Leu Gly Leu Leu His Gly Asp Met Asp Gln Ser 410 Glu Arg Asn Lys Val Ile Ser Asp Phe Lys Lys Asp Ile Pro Val 425 Leu Val Ala Thr Asp Val Ala Ala Arg Gly Leu Asp Ile Pro Ser Ile Lys Thr Val Ile Asn Tyr Asp Val Ala Arg Asp Ile Asp Thr His Thr 455 His Arg Ile Gly Arg Thr Gly Arg Ala Gly Glu Lys Gly Val Ala Tyr 470 475 Thr Leu Leu Thr Pro Lys Asp Ser Asn Phe Ala Gly Asp Leu Val Arg 490 Asn Leu Glu Gly Ala Asn Gln His Val Ser Lys Glu Leu Leu Asp Leu 505 Ala Met Gln Asn Ala Trp Phe Arg Lys Ser Arg Phe Lys Gly Gly Lys 520 515 Gly Lys Lys Leu Asn Ile Gly Gly Gly Leu Gly Tyr Arg Glu Arg Pro Gly Leu Gly Ser Glu Asn Met Asp Arg Gly Asn Asn Asn Val Met 555 Ser Asn Tyr Glu Ala Tyr Lys Pro Ser Thr Gly Ala Met Gly Asp Arg Leu Thr Ala Met Lys Ala Ala Phe Gln Ser Gln Tyr Lys Ser His Phe 585 Val Ala Ser Leu Ser Asn Gln Lys Ala Gly Ser Ser Ala Ala Gly 595 Ala Ser Gly Trp Thr Ser Ala Gly Ser Leu Asn Ser Val Pro Thr Asn Ser Ala Gln Gln Gly His Asn Ser Pro Asp Ser Pro Val Thr Ser Ala 635 Ala Lys Gly Ile Pro Gly Phe Gly Asn Thr Gly Asn Ile Ser Gly Ala 645 Pro Val Thr Tyr Pro Ser Ala Gly Ala Gln Gly Val Asn Asn Thr Ala 665 Ser Gly Asn Asn Ser Arg Glu Gly Thr Gly Gly Ser Asn Gly Lys Arg

680

Glu Arg Tyr Thr Glu Asn Arg Gly Ser Ser Pro Ser Gln Ser Arg Arg 690 695 700

Asp Trp Gln Ser Ala 705

<210> 336

<211> 480

<212> PRT

<213> Homo sapiens

<400> 336

Met Ile Arg Ala Ala Pro Pro Pro Leu Phe Leu Leu Leu Leu Leu Leu 15

Leu Leu Val Ser Trp Ala Ser Arg Gly Glu Ala Ala Pro Asp Gln 20 25 30

Asp Glu Ile Gln Arg Leu Pro Gly Leu Ala Lys Gln Pro Ser Phe Arg

Gln Tyr Ser Gly Tyr Leu Lys Ser Ser Gly Ser Lys His Leu His Tyr 50 55 60

Trp Phe Val Glu Ser Gln Lys Asp Pro Glu Asn Ser Pro Val Val Leu 65 70 75 80

Trp Leu Asn Gly Gly Pro Gly Cys Ser Ser Leu Asp Gly Leu Leu Thr 85 90 95

Glu His Gly Pro Phe Leu Val Gln Pro Asp Gly Val Thr Leu Glu Tyr 100 105 110

Asn Pro Tyr Ser Trp Asn Leu Ile Ala Asn Val Leu Tyr Leu Glu Ser 115 120 125

Pro Ala Gly Val Gly Phe Ser Tyr Ser Asp Asp Lys Phe Tyr Ala Thr 130 135 140

Asn Asp Thr Glu Val Ala Gln Ser Asn Phe Glu Ala Leu Gln Asp Phe 145 150 155 160

Phe Arg Leu Phe Pro Glu Tyr Lys Asn Asn Lys Leu Phe Leu Thr Gly 165 170 175

Glu Ser Tyr Ala Gly Ile Tyr Ile Pro Thr Leu Ala Val Leu Val Met 180 185 190

Gln Asp Pro Ser Met Asn Leu Gln Gly Leu Ala Val Gly Asn Gly Leu 195 200 205

Ser Ser Tyr Glu Gln Asn Asp Asn Ser Leu Val Tyr Phe Ala Tyr Tyr 210 215 220

His 225	Gly	Leu	Leu	Gly	Asn 230	Arg	Leu	Trp	Ser	Ser 235	Leu	Gln	Thr	His	Cys 240
Cys	Ser	Gln	Asn	Lys 245	Cys	Asn	Phe	Tyr	Asp 250	Asn	Lys	Asp	Leu	Glu 255	Cys
Val	Thr	Asn	Leu 260	Gln	Glu	Val	Ala	Arg 265	Ile	Val	Gly	Asn	Ser 270	Gly	Leu
Asn	Ile	Tyr 275	Asn	Leu	Tyr	Ala	Pro 280	Cys	Ala	Gly	Gly	Val 285	Pro	Ser	His
Phe	Arg 290	Tyr	Glu	Lys	Asp	Thr 295	Val	Val	Val	Gln	Asp 300	Leu	Gly	Asn	Ile
Phe 305	Thr	Arg	Leu	Pro	Leu 310	Lys	Arg	Met	Trp	His 315	Gln	Ala	Leu	Leu	Arg 320
Ser	Gly	Asp	Lys	Val 325	Arg	Met	Asp	Pro	Pro 330	Cys	Thr	Asn	Thr	Thr 335	Ala
Ala	Ser	Thr	Tyr 340	Leu	Asn	Asn	Pro	Tyr 345	Val	Arg	Lys	Ala	Leu 350	Asn	Ile
Pro	Glu	Gln 355	Leu	Pro	Gln	Trp	Asp 360	Met	Cys	Asn	Phe	Leu 365	Val	Asn	Leu
Gln	Tyr 370	Arg	Arg	Leu	Tyr	Arg 375	Ser	Met	Asn	Ser	Gln 380	Tyr	Leu	Lys	Leu
Leu 385	Ser	Ser	Gln	Lys	Tyr 390	Gln	Ile	Leu	Leu	Tyr 395	Asn	Gly	Asp	Val	Asp 400
Met	Ala	Cys	Asn	Phe 405	Met	Gly	Asp	Glu	Trp 410	Phe	Val	Asp	Ser	Leu 415	Asn
Gln	Lys	Met	Glu 420	Val	Gln	Arg	Arg	Pro 425	Trp	Leu	Val	Lys	Tyr 430	Gly	Asp
Ser	Gly	Glu 435	Gln	Ile	Ala	Gly	Phe 440	Val	Lys	Glu	Phe	Ser 445	His	Ile	Ala
Phe	Leu 450	Thr	Ile	Lys	Gly	Ala 455		His	Met	Val	Pro 460	Thr	Asp	Lys	Pro
Leu 465		Ala	Phe	Thr	Met 470	Phe	Ser	Arg	Phe	Leu 475	Asn	Lys	Gln	Pro	Tyr 480

<210> 337 <211> 543 <212> PRT <213> Homo sapiens

<400> 337 Met Ala Ala Lys Ala Glu Met Gln Leu Met Ser Pro Leu Gln Ile Ser Asp Pro Phe Gly Ser Phe Pro His Ser Pro Thr Met Asp Asn Tyr 25 Pro Lys Leu Glu Glu Met Met Leu Leu Ser Asn Gly Ala Pro Gln Phe 40 Leu Gly Ala Ala Gly Ala Pro Glu Gly Ser Gly Ser Asn Ser Ser Ser Ser Ser Ser Gly Gly Gly Gly Gly Gly Gly Gly Ser Asn Ser Ser Ser Ser Ser Ser Thr Phe Asn Pro Gln Ala Asp Thr Gly Glu Gln Pro Tyr Glu His Leu Thr Ala Glu Ser Phe Pro Asp Ile Ser Leu Asn Asn 105 Glu Lys Val Leu Val Glu Thr Ser Tyr Pro Ser Gln Thr Thr Arg Leu 120 Pro Pro Ile Thr Tyr Thr Gly Arg Phe Ser Leu Glu Pro Ala Pro Asn 135 130 Ser Gly Asn Thr Leu Trp Pro Glu Pro Leu Phe Ser Leu Val Ser Gly 155 Leu Val Ser Met Thr Asn Pro Pro Ala Ser Ser Ser Ser Ala Pro Ser 170 Pro Ala Ala Ser Ser Ala Ser Ala Ser Gln Ser Pro Pro Leu Ser Cys 185 180 Ala Val Pro Ser Asn Asp Ser Ser Pro Ile Tyr Ser Ala Ala Pro Thr Phe Pro Thr Pro Asn Thr Asp Ile Phe Pro Glu Pro Gln Ser Gln Ala 210 Phe Pro Gly Ser Ala Gly Thr Ala Leu Gln Tyr Pro Pro Pro Ala Tyr 235 Pro Ala Ala Lys Gly Gly Phe Gln Val Pro Met Ile Pro Asp Tyr Leu Phe Pro Gln Gln Gly Asp Leu Gly Leu Gly Thr Pro Asp Gln Lys 265 260 Pro Phe Gln Gly Leu Glu Ser Arg Thr Gln Gln Pro Ser Leu Thr Pro

		275					280					285			
Leu	Ser 290	Thr	Ile	Lys	Ala	Phe 295	Ala	Thr	Gln	Ser	Gly 300	Ser	Gln	Asp	Leu
Lys 305	Ala	Leu	Asn	Thr	Ser 310	Tyr	Gln	Ser	Gln	Leu 315	Ile	Lys	Pro	Ser	Arg 320
Met	Arg	Lys	Tyr	Pro 325	Asn	Arg	Pro	Ser	Lys 330	Thr	Pro	Pro	His	Glu 335	Arg
Pro	Tyr	Ala	Cys 340	Pro	Val	Glu	Ser	Cys 345	Asp	Arg	Arg	Phe	Ser 350	Arg	Ser
Asp	Glu	Leu 355	Thr	Arg	His	Ile	Arg 360	Ile	His	Thr	Gly	Gln 365	Lys	Pro	Phe
Gln	Cys 370	Arg	Ile	Cys	Met	Arg 375	Asn	Phe	Ser	Arg	Ser 380	Asp	His	Leu	Thr
Thr 385	His	Ile	Arg	Thr	His 390	Thr	Gly	Glu	Lys	Pro 395	Phe	Ala	Cys	Asp	Ile 400
Cys	Gly	Arg	Lys	Phe 405	Ala	Arg	Ser	Asp	Glu 410	Arg	Lys	Arg	His	Thr 415	Lys
Ile	His	Leu	Arg 420	Gln	Lys	Asp	Lys	Lys 425	Ala	Asp	Lys	Ser	Val 430	Val	Ala
Ser	Ser	Ala 435	Thr	Ser	Ser	Leu	Ser 440	Ser	Tyr	Pro	Ser	Pro 445	Val	Ala	Thr
Ser	Tyr 450	Pro	Ser	Pro	Val	Thr 455	Thr	Ser	Tyr	Pro	Ser 460	Pro	Ala	Thr	Thr
Ser 465	Tyr	Pro	Ser	Pro	Val 470	Pro	Thr	Ser	Phe	Ser 475	Ser	Pro	Gly	Ser	Ser 480
Thr	Tyr	Pro	Ser	Pro 485	Val	His	Ser	Gly	Phe 490	Pro	Ser	Pro	Ser	Val 495	Ala
Thr	Thr	Tyr	Ser 500	Ser	Val	Pro	Pro	Ala 505	Phe	Pro	Ala	Gln	Val 510	Ser	Ser
Phe	Pro	Ser 515	Ser	Ala	Val	Thr	Asn 520	Ser	Phe	Ser	Ala	Ser 525	Thr	Gly	Leu
Ser	Asp 530	Met	Thr	Ala	Thr	Phe 535	Ser	Pro	Arg	Thr	Ile 540	Glu	Ile	Cys	

<210> 338 <211> 148 <212> PRT

<213> Homo sapiens

<400> 338

Pro Pro Ala Thr Ser Tyr Ala Pro Ser Asp Val Pro Ser Gly Val Ala
5 10 15

Leu Phe Leu Thr Ile Pro Phe Ala Phe Phe Leu Pro Glu Leu Ile Phe 20 25 30

Gly Phe Leu Val Trp Thr Met Val Ala Ala Thr His Ile Val Tyr Pro 35 40 45

Leu Leu Gln Gly Trp Val Met Tyr Val Ser Leu Thr Ser Phe Leu Ile 50 55 60

Ser Leu Met Phe Leu Leu Ser Tyr Leu Phe Gly Phe Tyr Lys Arg Phe 65 70 75 80

Glu Ser Trp Arg Val Leu Asp Ser Leu Tyr His Gly Thr Thr Gly Ile 85 90 95

Leu Tyr Met Ser Ala Ala Val Leu Gln Val His Ala Thr Ile Val Ser 100 105 110

Glu Lys Leu Leu Asp Pro Arg Ile Tyr Tyr Ile Asn Ser Ala Ala Ser 115 120 125

Phe Phe Ala Phe Ile Ala Thr Leu Leu Tyr Ile Leu His Ala Phe Ser 130 135 140

Ile Tyr Tyr His 145

<210> 339

<211> 196

<212> PRT

<213> Homo sapiens

<400> 339

Met Pro Gly Met Phe Phe Ser Ala Asn Pro Lys Glu Leu Lys Gly Thr
5 10 15

Thr His Ser Leu Leu Asp Asp Lys Met Gln Lys Arg Arg Pro Lys Thr 20 25 30

Phe Gly Met Asp Met Lys Ala Tyr Leu Arg Ser Met Ile Pro His Leu 35 40 45

Glu Ser Gly Met Lys Ser Ser Lys Ser Lys Asp Val Leu Ser Ala Ala 50 55 60

Glu Val Met Gln Trp Ser Gln Ser Leu Glu Lys Leu Leu Ala Asn Gln 65 70 75 80

Thr Gly Gln Asn Val Phe Gly Ser Phe Leu Lys Ser Glu Phe Ser Glu 85 90 95

Glu Asn Ile Glu Phe Trp Leu Ala Cys Glu Asp Tyr Lys Lys Thr Glu 100 105 110

Ser Asp Leu Leu Pro Cys Lys Ala Glu Glu Ile Tyr Lys Ala Phe Val 115 120 125

His Ser Asp Ala Ala Lys Gln Ile Asn Ile Asp Phe Arg Thr Arg Glu 130 135 140

Ser Thr Ala Lys Lys Ile Lys Ala Pro Thr Pro Thr Cys Phe Asp Glu 145 150 155 160

Ala Gln Lys Val Ile Tyr Thr Leu Met Glu Lys Asp Ser Tyr Pro Arg 165 170 175

Phe Leu Lys Ser Asp Ile Tyr Leu Asn Leu Leu Asn Asp Leu Gln Ala 180 185 190

Asn Ser Leu Lys 195

<210> 340

<211> 316

<212> PRT

<213> Homo sapiens

<400> 340

Met Ala Thr Phe Val Glu Leu Ser Thr Lys Ala Lys Met Pro Ile Val 5 10 15

Gly Leu Gly Thr Trp Lys Ser Pro Leu Gly Lys Val Lys Glu Ala Val 20 25 30

Lys Val Ala Ile Asp Ala Gly Tyr Arg His Ile Asp Cys Ala Tyr Val 35 40 45

Tyr Gln Asn Glu His Glu Val Gly Glu Ala Ile Gln Glu Lys Ile Gln 50 55 60

Glu Lys Ala Val Lys Arg Glu Asp Leu Phe Ile Val Ser Lys Leu Trp
65 70 75 80

Pro Thr Phe Phe Glu Arg Pro Leu Val Arg Lys Ala Phe Glu Lys Thr

Leu Lys Asp Leu Lys Leu Ser Tyr Leu Asp Val Tyr Leu Ile His Trp

Pro Gln Gly Phe Lys Ser Gly Asp Asp Leu Phe Pro Lys Asp Asp Lys

Gly	Asn 130	Ala	Ile	Gly	Gly	Lys 135	Ala	Thr	Phe	Leu	Asp 140	Ala	Trp	Glu	Ala		
Met 145	Glu	Glu	Leu	Val	Asp 150	Glu	Gly	Leu	Val	Lys 155	Ala	Leu	Gly	Val	Ser 160		
Asn	Phe	Ser	His	Phe 165	Gln	Ile	Glu	Lys	Leu 170	Leu	Asn	Lys	Pro	Gly 175	Leu		
Lys	Tyr	Lys	Pro 180	Val	Thr	Asn	Gln	Val 185	Glu	Cys	His	Pro	Tyr 190	Leu	Thr		
Gln	Glu	Lys 195	Leu	Ile	Gln	Tyr	Cys 200	His	Ser	Lys	Gly	Ile 205	Thr	Val	Thr		
Ala	Tyr 210	Ser	Pro	Leu	Gly	Ser 215	Pro	Asp	Arg	Pro	Trp 220	Ala	Lys	Pro	Glu		
Asp 225	Pro	Ser	Leu	Leu	Glu 230	Asp	Pro	Lys	Ile	Lys 235	Glu	Ile	Ala	Ala	Lys 240		
His	Lys	Lys	Thr	Ala 245	Ala	Gln	Val	Leu	Ile 250	Arg	Phe	His	Ile	Gln 255	Arg		
Asn	Val	Ile	Val 260	Ile	Pro	Lys	Ser	Val 265	Thr	Pro	Ala	Arg	Ile 270	Val	Glu		
Asn	Ile	Gln 275	Val	Phe	Asp	Phe	Lys 280	Leu	Ser	Asp	Glu	Glu 285	Met	Ala	Thr		
Ile	Leu 290	Ser	Phe	Asn	Arg	Asn 295	Trp	Arg	Ala	Cys	Asn 300	Val	Leu	Gln	Ser		
Ser 305	His	Leu	Glu	Asp	Tyr 310	Pro	Phe	Asn	Ala	Glu 315	Tyr						
<21		<211 <212	> 42 > DN > Ho	A	apie:	n											
		<222	> > mi > (1 > n)	(422)											
αa			> 34		aga .	gagg	aaga	na c	tatt	caqt	t aa	atgg	gatt	aaa	tgcatca		60
ca	aata	aqaq	aac	ttag	aga	gaag	tcgg	aa a	agtt	tgcc	t tc	caag	cccg	aag	ttaacag gagaact		120 180
qa	tttc	aaat	gct	tctg	atg	cttt	agat	aa g	ataa	ggct	a at	atca	ctga	ctg	atgaaaa	:	240
tg	ctct	ttct	gga	aatg	agg	aact	aaca	gt c	aaaa	ttaa	g tg	tgat	aagg	aga	agacctg		300

ctgcatgtca cagacaccgg tgtaggaatg accagagaag agttggttaa aaaccttggt accatagcca aatctgggac aagcgagttt ttaaacaaaa tgactgaagc acaggaagat gg	360 420 422
<210> 342 <211> 472 <212> DNA <213> Homo sapien	
<220> <221> misc_feature <222> (1)(472) <223> n = A,T,C or G	
ctggagaagg tgtgcagggg aaaccctgct gatgtcaccg aggccaggtt gtcttctac tcgggacact cttcctttgg gatgtactgc atggtgttct tggcgctgna tgtgcaggca cgactctgtt ggaagtgggc acggctgctg cgacccacag tccagttctt cctggtggcc tttgcctct acgtgggcta cacccgcgtg tctgattaca aacaccactg gagcgatgtc cttgttggcc tcctgcaggg ggcactggtt gctgccctca ctgtctgcta catctcagac tcctcaaag cccgacccc acagcactgt ctgaaggagg aggagctgga acggaagccc agcctgtcac tgacgttgac cctgggcgag gctgaccaca accactatgg atacccgcac tcctcctcct gaggccggac cccgcccagg cagggagcta ctgtgagtcc ag	60 120 180 240 300 360 420 472
<210> 343 <211> 139 <212> DNA <213> Homo sapien	
<400> 343 gtcctgggcc ttccccttcc ctcaagccag ggctcctcct cctgtcgtgg gctcattgtg accactggcc tctctacagc acggcctgtg gcctgttcaa ggcagaacca cgacccttga ctcccgggtg gggaggtgg	60 120 139
<210> 344 <211> 235 <212> DNA <213> Homo sapien	
<400> 344 ctgcgggctc agcacagtag acatgactgg gatccccacc ttggacaacc tccagaaggg agtccaattt gctctcaagt accagtcgct gggccagtgt gtttacgtgc attgtaaggc tgggcgctcc aggagtgcca ctatggtggc agcatacctg attcaggtgc acaaatggag tccagaggag gctgtaagag ccatcgccaa gatccggtca tacatccaca tcagg	60 120 180 235
<210> 345 <211> 458 <212> DNA <213> Homo sapien	
<400> 345 ctgtaaggtg ctattcagtc ctgtgaccct tattttggaa tgctcttcat tactgttgct ctgttttgtg acttcctggg aaaccgccta ctttggtgtg gtgtcacctt gagctgtgca cataggacac cagttttgac ttaacctaac aggcagtttt tatctctagc tttttcaagc	60 120 180

caggtattga gcagtttctt ggg gattttattg gttttaagtg ggg agttcttctt ggtggctcct ct aaggcaagga atggcctctc cc gccatcccag ttcctcttca aag	gaagtaat cccatgtact tggccctc ccctctttct tccacaga ggcaacggct	tatttcttaa cccccaaccc	atacctagga accatcctgc	240 300 360 420 458
<210> 346 <211> 525 <212> DNA <213> Homo sapien				
<220> <221> misc_feature <222> (1)(525) <223> n = A,T,C or				
<pre><400> 346 ccagagcaca acgcctcacc atg ccacaggtgt ccactcccaa gc gggcctcagt gactatttct tg attgggtgcg ccaggccccc cc gcattgatac cgttaaatat tc catccgcgac cacagnctac ct attactgtgc gagacttang gc ctggggccaa gggacagtgg tc ccccctctct cctgtgaaga at</pre>	ccaactty tgcagtctgg taaggctt ctggatatat ccggacaaa gacctgaatg cacagaagt ttcaggacag gnanntga gtagcctgga cccgttcgc tgtggtggga caccgtctc ttcanggagt	ggctgaggag ncttactaaa ggtgggatgg agtctccatt atccgaagac cttaatgacg gcattcgccc	aagaagcctg tatactttac atcaacactg acctgggact acggctgtgt cttttgacat	60 120 180 240 300 360 420 480 525
<210> 347 <211> 423 <212> DNA <213> Homo sapien				
<pre><400> 347 ccagacgctg acttgtttct ga cagtcttgct cttcacctct aa tccggaagtc atcctcacgg aa cgcccggtgt gatggcactt cg caagctctag cacccgctca gc gcaccaggtg gttgtcagta cc ctgccatggc ccgagcattc tt agg</pre>	agccaatgt tgacccette actgtcgag aagttaaggc ggtctccag gacaggtgtt cccgagctc catccaggcc cacctgata ccagtgagta	atctataaag tggggcccca cttgttggca cttgggccgc gcctcgctct	tccacaactc agccgcaggc gtgatggata aggtccacca agcagggcat	60 120 180 240 300 360 420 423
<210> 348 <211> 513 <212> DNA <213> Homo sapien	•			

cccgcccac ttccacatag gggaactgtg gctctggggg cagcctctgc agctactcag aataggtggg aggaggggct ggctttgagg ctgccttagc catgaggctc tttgcctagg aatagctgga gatgggagct gcagggggct cag	420 480 513
<210> 349 <211> 231 <212> DNA <213> Homo sapien	
<400> 349	
ccttatttct cttgtccttt cgtacaggga ggaatttgaa gtagatagaa accgacctgg	60
attactccgg tctgaactca gatcacgtag gactttaatc gttgaacaaa cgaaccttta atagcggctg caccatcggg atgtcctgat ccaacatcga ggtcgtaaac cctattgttg	120 180
atatggactc tagagtagga ttgcgctgtt atccctaggg taacttgttc c	231
<210> 350	
<211> 341 <212> DNA	
<213> Homo sapien	
<400> 350	60
ctgcccaagg gcgttcgtaa cgggaatgcc gaagcgtggg aaaaagggag cggtggcgga agacggggat gagctcagga cagagccaga ggccaagaag agtaagacgg ccgcaaagaa	120
aaatgacaaa gaggcagcag gagagggccc agccctgtat gaggaccccc cagatcagaa	180
aacctcaccc agtggcaaac ctgccacacc caagatctgc tcttggaatg tggatgggct	240
togagootgg attaagaaga aaggattaga ttgggtaaag gaagaagcoc cagatatact	300 341
gtgccttcaa gagaccaaat gttcagagaa caaactacca g	
<210> 351	
<211> 256	
<212> DNA <213> Homo sapien	
<400> 351 ggcgttgggg acggttgtag gacgtggctc tttattcgtg agttttccat ttacctccgc	60
tgaacctaga gcttcagacg ccctatggcg tccgcctcga cccaaccggc ggccttgagc	120
gctgagcaag caaaggtggt cctcgcggag gtgatccagg cgttctccgc cccggagaat	180
gcagtgcgca tggacgaggc tcgggataac gcctgcaacg acatgggtaa gatgctgcaa	240 256
ttegtgetge eegtgg	230
<210> 352	
<211> 368 <212> DNA	
<213> Homo sapien	
<220> <221> misc_feature	
<222> (1) (368)	
$\langle 223 \rangle$ n = A,T,C or G	
<400> 352	60
cctttcttgt aagtgaagaa naaggaatgc agcaaagaag agttcgacat tggagtcctt agttccatca ggatcccatt cgcagccttt agcatcatgt agaagcaaac tgcacctatg	60 120
gctgagatag gtgcaatgac ctacaagatt ttgtgttttc tagctgtcca ggaaaagcca	180

tcttcagtct tgctgacagt caaagagcaa gtgaaaccat ttccagccta aactacataa aagcagccga accaatgatt aaagacctct aaggctccat aatcatcatt aaatatgccc aaactcattg tgacttttta ttttatatac aggattaaaa tcaacattaa atcatcttat ttacatgg	240 300 360 368
<210> 353 <211> 368 <212> DNA <213> Homo sapien	
<pre><400> 353 ctgaggggtg gcagtaagca atgaggatgg gctataaagc tgttaactgg ctaagggcca tccttgggca ggcatttcag acacatctgt agagagggca gtagcatctc cgataggcca gctctgaagg aagcttaatg cttaatacag tcacactgca taaattagct tagaatgctc tcttgggtaa aaaatattaa tagtgtatat gcacttgaag agcaaaattc ctcaagaaaa aaagtttaat agcaaggagt ttccatcagt cccggtcttt gtgaggatta ccacaacaaa cacttaaaag gatacaacag gtacttatta aatgctgcct tgccttttac ctcttccttt ttttttt</pre>	60 120 180 240 300 360 368
<210> 354 <211> 380 <212> DNA <213> Homo sapien	
<pre><400> 354 ccatggcttc tcacccagac agtctttctg ggcaacttgg ggaagcccct gttctgctca agtctcaccc catggaagag gtgggggaag ggggccttgg tttttcagga agacaggttg gagagcacga gtcactacaa agcagtaaaa gtgaatggtg tctccagggg ctgggtccag aacaccacgg agagcccag ccataaaggt gtgttccgcc tctggcctgc aggaatctct ttgaatctct ttgattggtg gctccaagag caatgggaag tcaacagcca ggaggctgga ctgggttccc tgggaccccg aggtcccaga gctgctggc agtggttgtc ggcaaagaag aaaggtccaa gagggtcagg</pre>	60 120 180 240 300 360 380
<210> 355 <211> 347 <212> DNA <213> Homo sapien	
<pre><400> 355 ccagtggagg ggtggggta tcgatcccgc cgggggctgg cttggttgct ggtgccctga gcccttctct gcccgcctgg gtgttgcctt cactgatgga ggtaggcgtc cagccagatg tcaccagact tcttcgggga cctgacgatg tccaccagcg cggtgaggaa gggcttcact tcgtagctga ggccgtgctt ggcacacagc gacttgacca gcggggccac ccggctgtag ttgtgtctcg gcatcctggg gaagaggtgg tgctcgatct ggaagttgag gtgcccgctg aaccagttgg tgaaaagtga gggctccacg ttgcaggtgg ctgccag</pre>	60 120 180 240 300 347
<210> 356 <211> 157 <212> DNA <213> Homo sapien	
<400> 356 cctggagctg ctgaagactg ctattgggaa agctggctac actgataagg tggtcatcgg catggacgta gcggcctccg agttcttcag gtctgggaag tatgacctgg acttcaagtc	60 120

tecegatgae eccageaggt acatetegee tgaccag		157
<210> 357 <211> 323 <212> DNA <213> Homo sapien		
<pre><400> 357 ccatacaggg ctgttgccca ggccctagag gtcactcctc ggggccagca ccatccgtct acttacctcc cttcgggcca gagacctggg gtgtaaatgg tgagacgggt actttggtgg tgggagccat tggctgtgaa gctgcagact tataagacag ctactgcgaa ttgatgacat cgtttcaggc cacaaaaaga caaggcgggg ctcctgatgc tgg</pre> <210> 358 <211> 555	agcacaccca ggagaactgt acatgaagga actgggcata cagtggagac ggcagttctg	60 120 180 240 300 323
<212> DNA <213> Homo sapien		
<pre><400> 358 aaaaggtttc taaaacatga cggaggttga gatgaagctt atttaaaaga aaattgagag aaaggactac agagccccga aatgctttta gattaaaatg aaggtgactt aaacagctta aggtgattaa aataatttga aggcgatctt ttaaaaagag aagaccttga aatccatgac gcagggagaa ttgcgtcatt tactaaacgc agacgaaaat ggaaagatta attgggagtg gaagatagaa gtttgaagtg gaaaactgga agacagaagt atagagaaga tagggaaatt agaagataaa aacatacttt taaacctgaa aagtaggaag cagaagaaaa aagacaagct caaaatgtac accac</pre>	gttaatacca atagaagggc aagtttagtt taaaagttgt attaaaccga aggtgattaa taaagcctag ttaacgcatt gtaggatgaa acaatttgga acgggaaggc gaagaaaaga tagaagaaaa aagataaatt	60 120 180 240 300 360 420 480 540
<210> 359 <211> 549 <212> DNA <213> Homo sapien		
<pre><400> 359 ctgccaggct gaaaagaagc ctcagctccc acaccgccct agtcacttcc actggtggac cacgggcccc cagcccttgtg tcaaccacag tctgacacca gagcccactt ccatcctcc gcagcatctg gaggagctct gcagcctcca cacctaccac aggaaaaacc agccactgct ttacaggaca gggggttgaa cacccccatg cactcaaaga ttggatttta cagctacttg taaaaaatgg gaacatacag aactctaaaa gatagacatc ttttcaaaaa atcagcaatt ccccagcgta gtcaagggtg gatgggatgg cgaccgggca agctttcttc ctcgagatgc tgctttggt</pre>	teggeettgt etgteteage tggtgtgagg eacagegagg gaceteceag ggetgggete getgageeee geeteacace caatteaaaa tteagaagaa agaaattgtt aagttaaget gacactgeae getetggeat	60 120 180 240 300 360 420 480 540 549
<210> 360 <211> 289 <212> DNA <213> Homo sapien		

<pre><400> 360 tttaaatttt actagtgtta cttaatgtat attctaaaaa gagaatgcag taactaatgc cctaaatgtt tgatctctgt ttgtcattac tttttcaaaa ttatttttt ctgtaaagta taatatataa aacttcttgc ttaaattgaa tttctatatt agtggttaat tgcagtttat taaagggatc attatcagta atttcatagc aactgttcta gtgttttgtg tttttaaaac agaattagga atttgagata tctgattata tttttcatat gaatcacag</pre> <210> 361	60 120 180 240 289
<211> 311 <212> DNA <213> Homo sapien	
<pre><400> 361 ctgttcagta tggcaaaggg cagacttact ccttcatcca ctctgctgcc ttgatgaggt gaacacactg gaataagatg gagggcagga tacctgccaa agcctgagga atgagatgat ctgaaacaat tgggcaaagg ctggacattt caaaaagctg acttccaact gcagtttatg ggtatagaat ttgatgcttc cctcaagtcc tgactgctct ttctgaggca gccaggctag gccaagaaat gagctgctcc agcttctcca gagcacagca gcctcccagg gcctgtcagc atctgcagca g</pre>	60 120 180 240 300 311
<210> 362 <211> 496 <212> DNA <213> Homo sapien	
<220> <221> misc_feature <222> (1)(496) <223> n = A,T,C or G	
<pre><400> 362 ccagtttcta aaanaatgca catttaaaga gaagcatcta ccacggcttt aaaacaaaac</pre>	60 120 180 240 300 360 420 480 496
<210> 363 <211> 673 <212> DNA <213> Homo sapien	
<220> <221> misc_feature <222> (1)(673) <223> n = A,T,C or G	
<400> 363 ccaagaggga gataanacaa acttctcaaa caaaaagaaa agaaaaacga atgattcatc tgctttaatc agtgtgatta atgcagcacc cattgccccg ggaaccgttt ctgctgtact	60 120

atctggatac taaaatgtta cggaagtagc tctttgttct ccctcactct gccctta aatagaaatt cagactcgcc aagtaaggct ttgtgcatag tgtcttcatg tcgcgta ttgagcgcgt tcttagcagt tggcttcatg gacagctcat tagtgttttg acttttc cccagcgtta attgaattct tgcttttaga caacttcctt tttgtagtgg tgaacct cctttagtac agttcaagtg aatctggata attgttcatc tttgctttag cttagat atgtagtggt ctgtggctac aggaagctgg ttctgtctgc ttccacagtc tgcttaa actgtctgac ttcgtgaata tagagaccaa gtttaccact tctgatgaag agaccaa	tag 240 tta 300 tgc 360 acc 420 aaa 480
agattcattc ctcattctgt ttctttccag tgggagaaga gtccccatga aataaga aactgattcc atgcactagt acatgtaggc ttctcccttg cgcaaagctt aacaatt aggaaaacttt ggg	itga 600
<210> 364 <211> 495 <212> DNA <213> Homo sapien	
<220> <221> misc_feature <222> (1)(495) <223> n = A,T,C or G	
<400> 364 ccaaatgttt gcncaagact agcagagttt ttcttttaaa cattctgtat gaaatat agactggggg acgggggatc tcttctaatt cattgtttt cttttaaaca ttgtgcagcttatattc acatagaaag catatacatc ttataaatca cagacttttt tttaagtactccagttt atcagctcat tttacacaca tatttaggca acagaatgta taaatctgcaatacaga ggacacacta tccagaaaag aatgaacaaa gaacaggctg ttgcaaa	acaa 120 tagt 180 tacc 240 aaat 300
atttagtccc titacacata tagtcaaact tcattaatgc aaaaaatgta gtggtta aatgtctgaa agaatcagta tgtatgattg agattgttaa tctctgagta taacacatgtcatctc agagttgttt tgttttaaag ccgtggtaga tgcttctctt taaatgtttttttagaa actgg	atat 420
<210> 365 <211> 291 <212> DNA <213> Homo sapien	
<400> 365 aactgacaag cccttgcgcc tgcctctcca ggatgtctac aaaattggtg gtattgg tgttcctgtt ggcccgagtg gagactggtg ttctcaaacc cggtatggtg gtcacct ctccagtcaa cgttacaacg gaagtaaaat ctgtcgaaat gcaccatgaa gctttgg aagctcttcc tggggacaat gtgggcttca atgtcaagaa tgtgtctgtc aaggatg gtcgtggcaa cgttgctggt gacagcaaaa atgacccacc aatggaagca g	ttg 120 agtg 180
<210> 366 <211> 277 <212> DNA <213> Homo sapien	
<400> 366 ctggatggtg cctcagaagg tgcattctgc ttctgcaggg gcttgaaaca ccaaggg ccagggatcc tggagtcaaa gcagcagccc cggttgttgc actccttggg ggtgacagggtagcccg cagtccaccc tgtccttggc tggcacggca cactggtttg cagacagcacgtactcc tcagcagagc tggaggacaa gcaaggccag gaccagccc agcatgg	atgg 120 ggcc 180

gegetetgge agecatgace accgtggget eegggae	277
<210> 367 <211> 311 <212> DNA <213> Homo sapien	
<pre><400> 367 ccagagetge ggggcetcag tacaeggage tgttceggat gceacageac ageaceatge tcaggatcat ctcgaagate atgateacag egaceacgat ggeageaatg eegatgaggt acagetteec ggagaagagg teategatet tetggtggea gteeteettg aagaggttge tgatgatgtt getgeeegag ggacacaaat tgttettgag eactgaggtg gteaaageag tcagtgtget ggageeacag eagteaageg tetegtggaa ggtetteaec acageettgg cgttgttgge g <210> 368 <211> 384 <212> DNA</pre>	60 120 180 240 300 311
<212> DNA <213> Homo sapien	
<pre><400> 368 ccaaagggt ctctagctgc tgctctgctg ctcctgctca tggatgagtt tggcgatggg gccggtgatg ccgcctatca aggtccagta ctcatcgaag ctgatgcgcc catcaggatt ggcatccagg ttctggatga gcttatccgc agccttccgg ttccctgtgt ccgacagcat gtggttcagc tctttctgga gcatctcgcg gaagctgctc ttgctgatct tgttcttgac caggctgtac ctagacacat atttgtagaa gttttccacc aggacaatga ctgccttctc cagctccgtg tagcaagtct gacatctccc tgcttcgcct gctggcgggg cctaaggcgg gggccaagcc cagttacagc ccag</pre>	60 120 180 240 300 360 384
<210> 369 <211> 216 <212> DNA <213> Homo sapien	
<400> 369 ccaagtgcca ggtggctttc agcagcttcc tacgatcagc cgaagaaagc agaagctctg gaggctgcca tcgagaacct caatgaagcc aagaactatt ttgcaaaaggt tgactgcaaa gagcgcatca gggacgtcgt ttacttccag gccagactct accataccct ggggaagacc caggagagga accggtgtgc gatgctcttc cggcag	60 120 180 216
<210> 370 <211> 561 <212> DNA <213> Homo sapien	
<pre><400> 370 ctggctcctt cttttgtggt cgtttggggg atgggctggt ttggggttta ggtgcagaga atggtttggg gccactgcgt actggaccac tctgagcctt cagggcaggg</pre>	60 120 180 240 300 360 420 480

catcattcat ttctttcgca taagggccag gcttgggagc catagccacc cagcccaggg cctggatact ttcgctgaca g	540 561
<210> 371 <211> 518 <212> DNA <213> Homo sapien	
<pre><400> 371 cccacttcca tcgctctctg gtgtgaggca cagcgagggc agcatctgga ggagctctgc agcctccaca cctaccacga cctcccaggg ctgggctcag gaaaaaccag ccactgcttt acaggacagg gggttgaagc tgagccccgc ctcacaccca cccccatgca ctcaaagatt ggattttaca gctacttgca attcaaaatt cagaagaata aaaaatggga acatacagaa ctctaaaaga tagacatcag aaattgttaa gttaagcttt ttcaaaaaat cagcaattcc ccagcgtagt caagggtgga cactgcacgc tctggcatga tgggatggcg accgggcaag ctttcttctc cgagatgctc tgctgcttga gagctattgc tttgttaaga tataaaaagg ggtttctttt tgtctttctg taaggtggac tcccagcttt tgattgaaag tcctagggtg attctatttc tgctgtatt tatctgctga aagctcag</pre> <pre><210> 372 <211> 335 <212> DNA</pre>	60 120 180 240 300 360 420 480 518
<pre><213> Homo sapien <400> 372 ctggaggctg ggtgcaccct gcccagatcc acacctgtac cccggcggaa aggctcatgg gcattgaaga cggtggtgaa aaagccaaag ggaaaagcac caacaccaaa tgagaagtgg aagccccgg tatcaccaaa tggctggaat cccccttgc tctccggagc tggtctctgg ccctgggggc ggggtggagt ttttaatctg ggatcctggg gcttctggct ccctcgccca taaagcgga caaccttctc tctgctgatc ccagctttac atactggaca ctcttgccgt tctggccgtg tctccagcca ctgatgaaga catgg</pre>	60 120 180 240 300 335
<210> 373 <211> 467 <212> DNA <213> Homo sapien	
<400> 373 ccactagetg aatettgaca tggaaggttt tagetaatge caagtggaga tgeagaaaat getaagttga ettaggget gtgeacagga actaaaagge aggaaagtae taaatattge tgagageate caccecagga aggactttae ettecaggag etecaaactg geaceaecee cagtgeteae atggetgaet ttateeteeg tgtteeattt ggeacageaa gtggeagtgt etecaecace tatgatggtg atgeageee tagaagtgge ttteaecace teatecatga gagetttggt teecegggea aaagetteee atteaaatae eeceaaegga ecatteeae caatetgett ageeegagtg acageeteag cataettett getgetttea ggaeeaeagt ecaageeeat ecaageeae ggtaegeeag aageeaeagt ggettgg	60 120 180 240 300 360 420 467
<210> 374 <211> 284 <212> DNA <213> Homo sapien	
<400> 374 tttccgtaaa agcgtgtaac aagggtgtaa atatttataa ttttttatac ctgttgtgag	60

accegagggg eggeggeg gtttttatg gtgacacaaa tgtatattt getaacagca attecagget cagtattgtg accgeggage cacaggggac eccaegcaca tteegttgee ttaceegatg gettgtgacg eggagagaac egattaaaac egtttgagaa acteeteeet tgtetagece tgtgtteget gtggaegetg tagaggeagg ttgg	120 180 240 284
<210> 375 <211> 307 <212> DNA <213> Homo sapien	
<pre><400> 375 cctactcttc tccgtccatt gtactatctg cccgtggtgg ggatggcagt aggatcatat ttgatgactt ccgagaagca tattattggc tccgtcataa tactccagag gatgcgaagg tcatgtcctg gtgggattat ggctatcaga ttacagctat ggcaaaccga acaattttag tggacaataa cacatggaat aatacccata tttctcgagt agggcaggca atggcgtcca cagaggaaaa agcctatgag atcatgaggg agctcgatgt cagctatgtg ctggtcattt ttggagg</pre>	60 120 180 240 300 307
<210> 376 <211> 650 <212> DNA <213> Homo sapien	
<220> <221> misc_feature <222> (1)(650) <223> n = A,T,C or G	
cattgnctn ctnacgtgat gtcatcatct gccaggtcat cttggcaaaa gtcggagcat ttctcagtca ctgcaaagta gcccttctcg ttggagcacc ggaagagacg tgtgtgtttc atgtactcgg catcgtcatc atagggcttc tgtgcccaa tgccaccca gaagaagttc tcaggctcct caccttcgtt gataacctgc ttgctgtagg aggtgtcaaa catggtgttc aggatgcct ctgccaactt ggcttcgtca gggtctgatg cccggcccac ccaggcatac acgatgccct ggttgtcctc actctcaaag ggaaccttga ggatgaagca gaactcggag ttgaggagc tggagtcggt ggtgatctgg atgcaccggg tgcagaggc ggctgctgtg gggccctgga ccgccttcct cttgccccgg tggatgatga acttcctctt gaaatgggac aggaccttga ggttctcctc cttgccccgg tggaggtga cccacccata ttgggaggct ttcacggccc tgccagaagt ccaggcata ccaggcatac atgcgtacca cctccagct tccagggaag aggctctcga acttcttttg caggctgaag gtgaaggtga cccacccata ttgggaggct ttcacggccc tgccagaagt	60 120 180 240 300 360 420 480 540 600 650
<210> 377 <211> 306 <212> DNA <213> Homo sapien	
<220> <221> misc_feature <222> (1)(306) <223> n = A,T,C or G	
<400> 377 tctagatgca tgctcgagcg gccgccagtg tgatgganat ctgcagaatt cgcccttcga gcggccgccc gggcaggttc gggtgctgcc ttcacctgcc aggcccttcc ccgctagctt	60 120

ggggcgagca gagctgcgtc cagtggaact aaagccgttc caggattatc aaaaactgag cagcaacctt gggggacctg gatcatcacg gactccccca actggaaggt ccttctctgg cctcaattcc cgtctcaagg ccacgccttc cacctacagt ggagtcttcc gcacccagcg cgtcga	180 240 300 306
<210> 378 <211> 199 <212> DNA <213> Homo sapien	
<220> <221> misc_feature <222> (1)(199) <223> n = A,T,C or G	
<400> 378 ccacangtgg cacttgggtg tggctcctct gttatttgtc ctcatgtgag aaagcagatc atctccaaat cttgccattt gtatactttt ggtggagact tggatgtcat atcttctttg ttttgggttt tcttccctag cttattttgt ggcttttaaa gaagtggatt gtattgtgag atcctgtgat tcctggtgg	60 120 180 199
<210> 379 <211> 216 <212> DNA <213> Homo sapien	
<220> <221> misc_feature <222> (1)(216) <223> n = A,T,C or G	
<400> 379 ccagggcang tcatcaagag gggcattgtc ttgcatgcgg cctgccgtgt ccaccagcac cacgtcaaag ccttggttac gtgcaaaagc aatggcttcc atggcaatgc cagcagcatc cttgccatag cccttttcaa acaactgcac catggtgcgg ccaccatgct tctctggagg gtgtagggca ctcaaacgcc gggtgtgtgt acgcag	60 120 180 216
<210> 380 <211> 555 <212> DNA <213> Homo sapien	
ccatgggct tcctttccac taaaaggaat tccgaacagc aaaaagaagg tcttgagata gtgaaaatgg tgatgatac tttagaaggt gaagatgggt tggatgaaat ttattcattc agtgagagtc tgagaaaact gtgcgtcttc aagaaaattg agaggcattc cattcactgg ccctgccgac tgaccattgg ctccaatttg tctataagga ttgcagccta taaatcgatt ctacaggaga gagttaaaaa gacttggaca gttgtggatg caaaaaccct aaaaaaagaa gatatacaaa aagaaacagt ttattgctta aatgatgatg atgaaactga agttttaaaa gaggatatta ttcaagggtt ccgctatgga agtgatatag ttcctttctc taaagtggat gaggaacaaa tgaaatataa atcggaggg aagtgcttct ctgttttggg attttgtaaa tcttctcagg gtcagagaag attcttcatg ggaaatcaag ttctaaaggc tttgccccaa gagatgatga ggcag	60 120 180 240 300 360 420 480 540

```
<210> 381
      <211> 406
      <212> DNA
      <213> Homo sapien
      <400> 381
                                                                          60
ctgcaccagg tgggcctcta ggtcccatta agcccattgg tccagggcca agtccaactc
                                                                         120
cttttccatc atactqaqca gcaaagttcc caccgagacc aggggggcca ggaggaccag
gtggaccagg agggcctgtg ggaccatctt caccatctct gcctgggggg cctggtggac
                                                                         180
ccctttctcc acgtggtcct ctatctccgg ctgggccctt tcttacagtt tcctcttgta
                                                                         240
                                                                         300
aagattggca tgttgctagg cataaggtta ctgcaagcag caacaaagtc cgcgtatcca
caaagctgag catgtctagc acttagacat gcagactcct tgtgtcgcag agcccctggg
                                                                         360
                                                                         406
tcaccggcgg aggtatcacc tggcgggcgc gggcatgcag tcgtgg
      <210> 382
      <211> 528
      <212> DNA
      <213> Homo sapien
      <220>
      <221> misc feature
      <222> (1)...(528)
      \langle 223 \rangle n = A,T,C or G
      <400> 382
ctgagcagtt tgtgggtntn tcttcccgca agtttcagga agtattcaca aaagaaaaat
                                                                          60
acattttttc ccccaggggt ggggcaagga cagtggagag agtgctagga aatgagtccc
                                                                         120
ctgggaaagg ggaccgggcc gtgatgttaa atatctccgg ctcccaagtg actggatttg
                                                                         180
cctaggacct tcagaccaac agacttcaga ccctcagacc tgccccgggg ccaggtggag
                                                                         240
aaagtgaggg ccgtacaagg aagtgaaatt ctgagttgtt ggggctaagc ctgaccccct
                                                                         300
ctccatgctc cccgccccaa cccactctgg cctcagtaga ttttttttc agttgtggtt
                                                                         360
gttgcccagg ctggagtgca gtagcgccat cttggctcac tgcacctcca ccttccgggc
                                                                         420
tcaagcgatt ctccagcctc agcctcctga gtagctagga ctgcaggtgc tccaccacgc
                                                                         480
                                                                         528
ccggctaatt tttgtatttt tagtagagat ggggtttccc catgttgg
      <210> 383
      <211> 335
      <212> DNA
      <213> Homo sapien
      <220>
      <221> misc feature
      <222> (1)...(335)
      \langle 223 \rangle n = A,T,C or G
      <400> 383
                                                                          60
ccatnttgag tetactectg egtettgtge ectageacce egagaacegt cagtttgage
cagatggaag ctgagctgaa cacattacga tggatgatgg aaacataaga ctatcaagaa
                                                                         120
atccaagtgg taatgggcga agtttattca gcatccggca atggacttat cgtagttggg
                                                                         180
gaaacgggtg ttccgaataa tatcctggaa gttatcagga cacctatttt aaatataggc
                                                                         240
ctgaattttg taaagtaata tttaaggtgg tccgtgataa ttaaataaaa tgcttaattc
                                                                         300
                                                                         335
atgtggcgaa aaaaaaaaa naaaaaaaaa aaaaa
```

<211> 333 <212> DNA <213> Homo sapien				
<pre><400> 384 agtccaatac ggctattggg gttg cctccagctc cccaggggca gccc tggtgtcacg tccatccgag cgcc tccactgcgg tatgctgaca tctg tcagattctg ctggaaagac acag ggggtgatcc ttggtgcctt tgt</pre>	ccagtag ctacactgtc tgcctca gggatcgata gccctga accttcaccc ggctgat ccacgtgacc	cagacagcac aagtttcact tacagcatta	aagaccaggc gcagaaagtc caggctttaa tcactgggct	60 120 180 240 300 333
<210> 385 <211> 343 <212> DNA <213> Homo sapien				
<pre><400> 385 ctgtgacacc tcaggttgaa agg aacagccagc cgatatggac ttc tggcacctgt actctccact gtc tggcttgaga tgaggctctc att gctccctggc acttcagagt cac aggaacacca cagcctttgg gag</pre>	etagetge acegggteae egtegaet gtggeagegt egtgaaae caetgtgtgg eaetgtee ttetegagea	tgagggtgga caatgaagta aattgtcctc ccctgtacca	gaggtttgtc gctcgaggcc aggggagtag ttgaggctcc	60 120 180 240 300 343
<210> 386 <211> 244 <212> DNA <213> Homo sapien				
<pre><400> 386 tattctttga ttcttggcaa ata aagtcaaaaa gtcggtaaca gaa ccataaacca gcattgaact gat gcattatcag ccattctctc aga acag</pre>	agaatgga atcagccaac ttataaac ataagaacag	ccacttgata agacggcaaa	agaaattgct aagaacacag ctgaatgttg	60 120 180 240 244
<210> 387 <211> 504 <212> DNA <213> Homo sapien				
<pre><400> 387 atctggagtc cagcctcagg gat gtcagcatcc gctccagctt cac ttctccacag ccatctggtc ctc atttttcca ggtcactggc ttg ttgtcctgca gcagctctcc cag agtgctttga tctcgccgt gtt aacttcttgt agtagttgta gat tcataggatt tcttgtcggt gtt gagatgaggg tcacacccgc ctc</pre>	etgcatca geggeaaact egttgtge aaccaaegga gggeegee ttggetgaga ggagettg ggtgggatgg egeggaag gaggegeeea etttagtg acactettta etgeeaca tgecaatcaa	tgeggatece aagaettete geacaggeae tgaggaagte tgacaatggt ecceagggte	gtcagagagc atccaggtgg cagcttggcg acagccggcc tttgtagcta ttccaggggc	60 120 180 240 300 360 420 480 504

```
<211> 450
      <212> DNA
      <213> Homo sapien
      <220>
      <221> misc_feature
      <222> (1)...(450)
      <223> n = A, T, C \text{ or } G
      <400> 388
gccaaagtgc tgcntgaatt ccactccctt ggttttcgcc tgcccagcgt tgctgtttgc
                                                                         60
gtggaggtg gggggagctc agtggcaggg aatcagcggt ccgtggggtc gtggggacgg
                                                                        120
gaacatgtgc ccgaccgctc catcccctcc tectecttag gatgcataac ctaccttgtc
                                                                        180
ttttttttt taaattttnt ttccaggtan agtagctntt tgtacataaa naatacttga
                                                                        240
aaaattaatt gtatgatgta tgaaaanaca nagteteeta gttttgtatn ttgttgtatg
                                                                        300
                                                                        360
actgccatga gttccaccaa aaagccactn tattttggtc tntgtgacat tttaaatgcg
tgacaaaagt gagcaaataa agngaggaan aaatntatnt atganataat atanattgta
                                                                        420
                                                                        450
ttgaaatcta aaaaaaaaaa aaaaaaaaaa
      <210> 389
      <211> 297
      <212> DNA
      <213> Homo sapien
      <400> 389
                                                                         60
cctgcacttg aacatggctt tggttttaag caacttctct accctgaccc tcctcctggg
acagcgtttc gggaggtttc ttggcctcac tgagagggat gtggagctgc tgtaccccgt
                                                                        120
                                                                        180
caaggagaag gtattotaca gootgatgag ggagagoggo tacatgcaca tocagtgcac
caageetgae accgtagget etgetetgaa tgaeteteet gtgggtetgg etgeetatat
                                                                        240
tctagagaag ttttccacct ggaccaatac ggaattccga tacctggagg atggagg
                                                                        297
      <210> 390
      <211> 223
      <212> DNA
      <213> Homo sapien
      <400> 390
ctgggctgga gagttggtgc tggcaaaaca gtccttcccc tggggccggt tcttacccag
                                                                         60
gtccagagaa accaacgcgg gatgtcagac ttcaccaaaa ggactttctg gttgcccctg
                                                                        120
gctggcttcc tggaggcgtt cgcctctagt ttctcaggga tggagcgaga gcccagccag
                                                                        180
agaacagtaa gaggagetge teteetatet geacteacee agg
                                                                        223
      <210> 391
      <211> 365
      <212> DNA
      <213> Homo sapien
      <400> 391
ctgaggaaga aatgaaaaaa gaccctgtcc ctcatggccc gcccactggc ctcctgtgaa
                                                                         60
ctctgtcctg ttgccaaccc cagatgaagt cagccaaaaa gtgctttcca catcctctct
                                                                        120
ctggggctgc ccagcctgac cgtaggggat ccactggcag agccaaggtg gatgctggtg
                                                                        180
cctgaagctg gaagccagca ggacatgaga cccctcctgt agcaggaagt ggttctagaa
                                                                        240
                                                                        300
ctcccagcag aacagaacgg aaaaggagct gattggggat agaatgagtt ctgctaaaca
                                                                        360
gccagatgct ctgagagagg tgacactgga ctgtctcgga ggtgtgtgca gatggctaca
```

365 ggtgg <210> 392 <211> 302 <212> DNA <213> Homo sapien <220> <221> misc feature <222> (1)...(302) <223> n = A, T, C or G<400> 392 ccaagageta caatgageag egeateanga cagaaegtge aggtttttga gttecagttg 60 actgcagagg acatgaaagc catagatggc ctagacagaa atctccacta ttttaacagt 120 180 gatagttttg ctagccaccc taattatcca tattcagatg aatattaaca tggagagctt 240 tgcctgatgt ctaccagaag ccctgtgtgt ggatggtgac gcagaggacg tctctatgcc 300 ggtgactgga catatcacct ctacttaaat ccgtcctgtt tagcgacttc agtcaactac 302 ag <210> 393 <211> 213 <212> DNA <213> Homo sapien <220> <221> misc feature <222> (1)...(213) <223> n = A, T, C or G<400> 393 60 ccaataatca agnacaaana ctggatttga ggatggatca gttctgaaac agtttctttc tgaaacagag aaaatgtccc ctgaagacag agcaaaatgc tttggaaaga atgaggccat 120 acaggcagcc catgatgccg tggcacagga aggccaatgt cgggtagatg acaaggtgaa 180 213 tttccatttt attctgttta acaacgtgga tgg <210> 394 <211> 334 <212> DNA <213> Homo sapien <400> 394 cctacccata atccagagag gcttgcccag aggaggacta cgtgggggac gtgccaccag 60 aaccctactt gggggcggga tgtcactccg aggtcaaaac ctgctccgag gtggacgagc 120 cgtagctccc cgaatgggct taagaagagg tggtgttcga ggtcgtggag gtcctgggag 180 240 agggggccta gggcgtggag ctatgggtcg tggcggaatc ggtggtagag gtcggggtat 300 gataggtcgg ggaagagggg gctttggagg ccgaggccga ggccgtggac gagggagagg 334 tgcccttgct cgccctgtat tgaccaagga gcag <210> 395 <211> 174 <212> DNA <213> Homo sapien

<400> 395 ccagatgagg aaaaaaatta ggaaggagat gaagttttcc aaatttcatg gtatatgctg cacttcccca accttcactc tccatgtagc ctactgggtc tactattcca caaagtggct caacctccaa atgacctctg gtttacccct attaaaatcc caaaggactt tcag	60 120 174
<210> 396 <211> 140 <212> DNA <213> Homo sapien	
<220> <221> misc_feature <222> (1)(140) <223> n = A,T,C or G	
<400> 396 ctgcaaagcc ttgtgtaacn ttctccagca tttggaccca gtacgtgaaa gcccacaaca cgttcattgt ctttagtatt acagattatt tttgcataac atttgttgtt atctcttgac ggaatcgtcc attccaatgg	60 120 140
<210> 397 <211> 318 <212> DNA <213> Homo sapien	
<400> 397 cetegeetgg agggeeceeg ggeageacag ggaggaegag ettgteeage agagggtetg geagagggte eegeagaggt ttgggeaggg ggtetgaeat eeetggetee tgetetgget etggetgeeg ggatttgeae aggeecaggt geatacagat geegtttgag teagtetggt tetggaagta gtegatgaee agggggaagt agtegteaag eaettggttg eaetgggea tgageagett eaaggggagg aegttgeaet eetgeteeag gaaetteete ategtgteet ggaaaatgge eteettgg	60 120 180 240 300 318
<210> 398 <211> 517 <212> DNA <213> Homo sapien	
<220> <221> misc_feature <222> (1)(517) <223> n = A,T,C or G	
<pre><400> 398 ccttncttcg ccatccattc atcgaccctc tccagcactt gctgcaggct tggctgacca tccaccatgg cttgaataat cccggtgagc tctgtacaga atggggtaag ctgtggatgg actacaggct ggacatacat gtgaaaggta gactcaatct ccatggtccg gccatttagc tttaggatgg ggaactcgat gatttcctga ggatgaatct gtggcttgtc gcacgtggcc tcaaagtcca gcactaaaaa gtagtgatac ctctggagag ggaaggacac cattgccgcc atggatgcgc caaagccgtg ggccgccagc tttctggtgg atatggagca gaactccgga acaccacagg gagaaaataa gtgggagccc agcacttttc ttgctcttga aagtaaatac gaagaaaatc gagctgctcc agtctgtaaa ggtgctagca ttgaacatcc agaagcatct aaaactctcc ttacttcgaa gatgccaaga ccggcag</pre>	60 120 180 240 300 360 420 480 517

<210> 399 <211> 329 <212> DNA <213> Homo sapien <400> 399	rect ggttttgatg 60
ccaacctcag gcaacgggtg gagcagtttg ccagggcctt ccccatg agcattgaag gcacctggga aatgaggccc acagactcaa agttact cctgggccag tgaaatagaa agcctttcta ttttttggtg cgggagg ttagggcaag agccaggtat agtctccctt cccagaattt gtaactg tttttccttt tttcggtaac aagacttaga aggagggccc aggcact cctgtcatga tcacagtgtc agagacgcg	cete ettececeta 120 gaa gaceteteae 180 gaga agatetete 240
<210> 400 <211> 451 <212> DNA <213> Homo sapien	
ctggetteae tgeteaggtg attateetga accateeagg ceaaata cecetgtatt ggattgeeae aeggeteaea ttgeatgeaa gtttget agattgateg cegttetggt aaaaagetgg aagatggeee taaatte atgetgeeat tgttgatatg gtteetggea ageeeatgtg tgttgagateeaeecttt gggtegettt getgttegtg atatgagaea gaeagtteeaaageagt ggaeaagaag etgetggage tggeaaggte accaaggaageeagaageta aatgaatatt ateeetaata eetgeeaeee eaetetgagaaeggee agaaetgttt gttteaattg g	egag ctgaaggaaa 120 ettg aagtetggtg 180 gage tteteagaet 240 egeg gtgggtgtea 300 ectg cecagaaage 360
<210> 401 <211> 180 <212> DNA <213> Homo sapien	
<pre><400> 401 ccaggaagca ggccagggga ttggcagcac tgcccagcac cacagcg gacgccgta gggtaagcag gaaaagctct gcacggcagg cagcacg cgttggtggc ggccaacagg cccagcaggc aggcactgcg ggctga </pre> <pre><210> 402 </pre> <pre><211> 385 </pre> <pre><212> DNA</pre>	geca tiggicageg 120
<213> Homo sapien	
<pre><400> 402 ccaggccacc tgtgcggggc tcctcgatgt ggaaggttcg ggtgaggagcgtagca cacggccacc acagtgcacg tgaggcagat cacgttcagagtgt cggcaggttc accagcagcg gctccgtgta gagccgagcaccagaac aggctgttga agaggggact ctcttctggtgac catgctggac acaagggcgc tgaggacaga tgggctggtaggatc tggggtgac tcggtcact tcagcagcgc ccgctcccttggtgac tgagttggcc ggcag</pre>	gtag ggcatgctga 120 caca aagtagttag 180 ccag tccactggct 240 gaca tagaagccat 300
<210> 403 <211> 440	

```
<212> DNA
      <213> Homo sapien
     <220>
     <221> misc_feature
      <222> (1)...(440)
      <223> n = A,T,C or G
      <400> 403
                                                                        60
ctgtttaacc agnaacccgg ggggtcaccc cccacagaat gtacatgaaa cactagagga
ctgcatgttt ttccctgaga gaagcgtaag acaaacagaa gtcaaaaagt agtcactggg
                                                                       120
agegecatee ttetaageaa ateeteeett teeettttgg aggatttgee egaactaegt
                                                                       180
agccagtcag cacttagacc acctgcctcc tccccccct ataaacccac cactcccctc
                                                                       240
cteettteee aaaccaettg gggtgteeta ageceteaet geeceaagee caaaatatea
                                                                       300
                                                                       360
gctaagatcc ttgtcagtat ttccacagtc atacctaatg aattgggaag tggggcccct
aaaaaccaat tcacatctat gcacttgttt ccactggatt tggcagacag gcttttttag
                                                                       420
                                                                       440
ttaccgtaac cagatcttaa
      <210> 404
      <211> 239
      <212> DNA
      <213> Homo sapien
      <400> 404
cctacgaaaa actcccggcc ggtgaagaga acgtcagtgc catccagcgt cgcgttctcg
                                                                        60
tetectattt ccacaatteg gageeceagg tettgeaggg etttgeggae tecategaee
                                                                       120
                                                                       180
tetggeetae gageggget eeagggeege gtgattaggg eegtgteece ttggateaeg
                                                                       239
gccgtgtcgc caagcagcgg tcccagcggc aatgactcct caggtggcag ttctagcag
      <210> 405
      <211> 261
      <212> DNA
      <213> Homo sapien
      <400> 405
ctggagaggc agccettcae eggatgeeca geteegtgee eetgegggee eeageacagt
                                                                        60
ttaccttctc cccccacggc ggtcccatct actctgtgag ctgttccccc ttccacagga
                                                                       120
atctcttcct gagcgctggg actgacgggc atgtccacct gtactccatg ctgcaggccc
                                                                       180
ctcccttgac ttcgctgcag ctctccctca agtatctgtt tgctgtgcgc tggtccccag
                                                                       240
                                                                       261
tgcggccctt ggtttttgca g
      <210> 406
      <211> 641
      <212> DNA
      <213> Homo sapien
      <220>
      <221> misc_feature
      <222> (1)...(641)
      <223> n = A,T,C or G
      <400> 406
                                                                        60
ctgctcccgg gcntggtggc agcaagtaga catcgggcct gtgcagggcc accccttgg
                                                                        120
gccgggagat ggtctgcttc agtggcgagg gcaggtctgt gtgggtcacg gtgcacgtga
```

acctetecce ggaattecag teatectege agatgetgge eteaceaeg gegetgaaag tggeattggg gtggeteteg gagatgttgg tgtgggttt cacagetteg eeattetgge gggtecagga gatggteaeg etgteatagg tggteaggte tgtgaeeag eaggteaaet tggtggaett ggtgaggaag atgetggeaa aggatggggg gatggegaag acceggatgg etgtgtettg ateggggaea eacatggagg acgeattetg etggaaggte aggeeeetg getetetttg atggteagt gtgggeeag ettgtggteae ettgtaggte gtgggeeeag actetttgge eteageetge accetggteggaeed agaeeeeae tgetteeeet eggeageea ggaeaeetga atetgeeggg gaetgaaeec egtggeetgg eagatgaget tggaettgeg ggaeaeetga atetgeeggg gaetgaaaee egtggeetgg eagatgaget tggaettgeg g	180 240 300 360 420 480 540 600 641
<210> 407 <211> 173 <212> DNA <213> Homo sapien	
<400> 407 ccaggtactg gcacaatcat gtctggatgg gggtggtggt gtcctgtagg cagagaaaca ggaaattgtc gtagtcagta tcgagcagcg tggcctcgtt cgccaccgta tagttgatct tgaacttctt tggattctca gtcttctctc caaggacctt cttctcaaca cag	60 120 173
<210> 408 <211> 165 <212> DNA <213> Homo sapien	
<400> 408 ccactgtetg cagecatgge agaaagtget caaagteeag cacetteaca tteateteat caetettggg gtteeceagg acettgagea ceteggegtt ggtagggtte tggeecaggg ceeteateac atecceacae tggetgtaca ggatettgee ateae	60 120 165
<210> 409 <211> 329 <212> DNA <213> Homo sapien	
<pre><400> 409 ctgtagcttc tgtgggactt ccactgctca ggcgtcaggc tcagatagct gctggccgcg tacttgttgt tgctttgttt ggagggtgtg gtggtctcca ctcccgcctt gacggggctg ctatctgcct tccaggccac tgtcacggct cccgggtaga agtcacctat gagacacacc agtgtggcct tgttggcttg aagctcctca gaggagggcg ggaacagagt gaccgagggg gcagccttgg gctgaccaag gacggtcagc ttggtccctc cgccaaatac cgccggataa gcaccactgt tgtctgctga ttgacagaa</pre>	60 120 180 240 300 329
<210> 410 <211> 235 <212> DNA <213> Homo sapien	
<220> <221> misc_feature <222> (1)(235) <223> n = A,T,C or G	
<400> 410	

ccatcagnga gaaaggtgtt tgtcagttgt ttcacaaacc agattgagga ggacaaactg ctctgccaat ttctggattt ctttattttc agcaaacact ttctttaaag cttgactgtg tgggcactca tccaagtgat gaataatcat caagggtttg ttgcttgtct tggatttata tagagctttt tcatatgtct gagtccagat gagttggtca ccccaacctc tggag	60 120 180 235
<210> 411 <211> 294 <212> DNA <213> Homo sapien	
<400> 411 aattaaggga agatgaagat gataaaacag ttttggatct tgctgtggtt ttgtttgaaa cagcaacgct tcggtcaggg tatcttttac cagacactaa agcatatgga gatagaatag aaagaatgct tcgcctcagt ttgaacattg accctgatgc aaaggtggaa gaagagcctg aagaagacc tgaagagaca gcagaagaca caacagaaga cacagagcaa gacgaagatg aagaaatgga tgtgggaaca gatgaagaag aagaacagc aaaggaatct acag	60 120 180 240 294
<210> 412 <211> 433 <212> DNA <213> Homo sapien	
<220> <221> misc_feature <222> (1)(433) <223> n = A,T,C or G	
cetgagaage cagaggeagg tggagagggg gtggaaagtg ageageggge tgggetggag eegeacaege teteeteca tgttaaatag eacetttaga aaaatteaca agteeceate cacaaaaaaa aaaanaanaa aaattteagg gantaaaaat anaetttgaa eaaaaaggaa eatettgntgg eetgggggg eatetnantt tntntagene eagngattee eteeeneee eaceateac atanatgtaa eacetttggt ntaaaatggg gageegttte eacentgeee eenteeege eeceaggeag ttgeeeeggn gacaenteaa gacagganeg aggtagtntt teancancae agttneacaa ggaacagaac agtnteteee geeeageeet geggeacaag ggattgacae gen	60 120 180 240 300 360 420 433
<210> 413 <211> 494 <212> DNA <213> Homo sapien	
<220> <221> misc_feature <222> (1)(494) <223> n = A,T,C or G	
<pre><400> 413 ccttatttct cttgtcnctt cgtacaggga ggaatttgaa gtagatagaa accgacctgg attactccgg tctgaactca gatcacgtag gactttaatc gttgaacaaa cgaaccttta atagcggctg caccatcggg atgtcctgat ccaacatcga ggtcgtaaac cctattgttg atattggatc tagaatagga ttgcgctgtt atccctaggg taacttgttc cgttggtcaa gttattggat caattgagta tagtagttcg ctttgactgg tgaagtctta gcatgtactg ctcggaggtt gggttctgct ccgaggtcgc cccaaccgaa atttttaatg caggtttggt</pre>	60 120 180 240 300 360

agtttaggac ctgtgggttt gttaggtact gtttgcatta ataaattaaa gctccatagg gtcttctcgt cttgctgtgt tatgcccgcc tcttcacggg caggtcaatt tcactggtta aaagtaagag acag	420 480 494
<210> 414 <211> 294 <212> DNA <213> Homo sapien	
<pre><400> 414 ctgggcggat agcaccgggc atattttgga atggatgagg tctggcaccc tgagcagtcc agcgaggact tggtcttagt tgagcaattt ggctaggagg atagtatgca gcacggttct gagtctgtgg gatagctgcc atgaagtaac ctgaaggagg tgctggctgg taggggttga ttacagggtt gggaacagct cgtacacctg ccattctctg catatactgg ttagtgaggt gagcctggcg ctcttctttg cgctgagcta aagctacata caatggcctt gtgg</pre>	60 120 180 240 294
<210> 415 <211> 421 <212> DNA <213> Homo sapien	
<pre><400> 415 ccttgccct gcctcccac gaatggttaa tatatatgta gatatatat ttagcagtga cattcccaga gagccccaga gctctcaagc tcctttctgt cagggtgggg ggttcagcct gtcctgtcac ctctgaggtg cctgctggca tcctctcccc catgcttact aatacattcc cttccccata gccatcaaaa ctggaccaac tggcctcttc ctttcccctg ggaccaaaat ttaggggcct cagtccctca ccgccatgcc ctggcctatt ctgtctccc ttctccccc tggcctgttc tgtctctgag ctctgtgtcc tccgttcatt ccatggctgg gagtcactga tgctgcctct gccttctgat gctggactgg ccttgcttct acaagtatgc ttctcccaca g</pre>	60 120 180 240 300 360 420 421
<210> 416 <211> 342 <212> DNA <213> Homo sapien	
<220> <221> misc_feature <222> (1)(342) <223> n = A,T,C or G	
<pre><400> 416 ccactttctt tcccacnctg gaaggcggca tctatgactt cattggggag ttcatgaagg ccagcgtgga tgtggcagac ctgataggtc taaacettgt catgtcccgg aatgccggca agggagagta caagatcatg gttgctgccc tgggctgggc</pre>	60 120 180 240 300 342
<210> 417 <211> 389 <212> DNA <213> Homo sapien	

<pre></pre>	60 120 180 240 300 360 389
<210> 418 <211> 343 <212> DNA <213> Homo sapien	
<pre><400> 418 gtgggaggga gccaggttgg gatggaggga gtttacagga agcagacagg gccaacgtcg aagccgaatt cctggtctgg ggcaccaacg tccaaggggg ccacatcgat gatgggcagg cgggaggtct tggtggtttt gtattcaatc actgtcttgc cccaggctcc ggtgtgactc gtgcagccat cgacagtgac gctgtaggtg aagcggctgt tgccctcggc gcggatctcg atctcgttgg agccctggag gagcagggcc ttcttgaggt tgccagtctg ctggtccatg taggccacgc tgtttttgca gtggtaggtg atgttctggg agg</pre>	60 120 180 240 300 343
<210> 419 <211> 255 <212> DNA <213> Homo sapien	-
<400> 419 cctagcaaga gaatcaccaa atttatggag agttaacagg ggtttaacag gaaggaagtg cctttagtaa gttctcaagc cagaggctgg aggcagcagc taaatcagag gacagcatcc tcagtgaaag tgagccattc ggggtggcat gtcactccag gaataaacac aacttagaaa caaatgattt cgtaggatag cacagtgaca tggtgcactg tgaacctgag gccactgtgt caaactgtgc actgg	60 120 180 240 255
<210> 420 <211> 261 <212> DNA <213> Homo sapien	
<pre><400> 420 cttctgatga taaccaaccc ctagctacca ctctgtattc atcaggggag gggtataaac cccacatgca agaagaaccc ttgcccccag tgtcaaatgg gatggggatg ctagagttat agtaaagggg aaaccctatg taagctgtta acagagttca caggggtagg gataacccct gttctccagc tcccaaatgt gctcactttc ccagcttctt catccgttca tcaatgctgg caaagttccc ctcaactgtg g</pre>	60 120 180 240 261
<210> 421 <211> 179 <212> DNA <213> Homo sapien	
<400> 421 ccttcctgtt gttgtttcaa atgctgcttg atttctcgta acagatctgc atctatgtaa tacctttctt cagatctgac tgctccaaaa tgattctgca tcctgatttg agacatcaat	60 120

tcatttagtc ggcccttgaa ctgagtaggt gcatttagtt caccctgaat cgtatccag	179
<210> 422 <211> 424 <212> DNA <213> Homo sapien	
cgaggtccaa atctgatctg cagatgcaga agattcgaca gaagctgcag actaaacagg ctgccatgga gaggtctgga aaagctaagc aactgcgagc acttaggaaa tacgggaaga aggtgcaaac ggaggttctt cagaagaggc agcaggagaa agcccatatg atgaatgcta ttaagaaata tcagaaaggc ttctctgata aactggattt ccttgagga gatcagaaac ctctggcaca gcacaagaag gcaggagcca aaggccagca gatgaggaag ggcccaagtg ctaaacgacg gtataaaaac cagaagtttg gttttggtgg aaagaagaaa ggctcaaagt ggaacactcg ggagagctat gatgatgtat ctagcttccg ggccaagaca getcatggca gagg	60 120 180 240 300 360 420 424
<210> 423 <211> 256 <212> DNA <213> Homo sapien	
<pre><400> 423 ctgtggccta gggctacctc aagactcacc tcatccttac cgcacattta aggcgccatt gcttttggga gactggaaaa gggaaggtga ctgaaggctg tcaggattct tcaaggagaa tgaatactgg gaatcaagac aagactatac cttatccata ggcgcaggtg cacagggga ggccataaag atcaaacatg catggatggg tcctcacgca gacacaccca cagaaggaca ctagcctgtg cacgcg</pre>	180
<210> 424 <211> 330 <212> DNA <213> Homo sapien	
<400> 424 ccagccgcat gggagtggag gcagtcatcg ccttgctaga ggccaccccg gacaccccag cttgcgtcgt gtcactgaac gggaaccacg ccgtgcgct gccgctgatg gagtgcgtgc agatgactca ggatgtgcag aaggcgatgg acgagaggag atttcaagat gcggttcgaccggatgatca gatcccaaag accaattgca acgtagctgt catcaacgtg ggggcacccgcggctgggat gaacgcggcc gtacgctcag	120 180 240
<210> 425 <211> 333 <212> DNA <213> Homo sapien	
<220> <221> misc_feature <222> (1)(333) <223> n = A,T,C or G	
<400> 425 ctgctccatg gnctcaaagt cagcaccacc cacacccaca atgatcactg acatgggcag	60

```
gttcgaggca cgcaccacag cctcacgtgt ggcttccaca tccgtcacag caccatcagt
                                                                        120
cagnagaaac agnatgaagt attgngaggc antcecetga tgtgcageet gggetgcaaa
                                                                        180
cctggacctg cccgggcggc cgctcgaaag ggcgaattcc agcacactgg cggccgttac
                                                                        240
                                                                        300
tagnggatne aganeteggt acnaagettg geagtaatea tggteatage tgttteetgt
                                                                        333
gagcggntgg gatgaacgcg gccgtacgct cat
      <210> 426
      <211> 411
      <212> DNA
      <213> Homo sapien
      <220>
      <221> misc feature
      <222> (1)...(411)
      <223> n = A,T,C or G
      <400> 426
                                                                         60
gggtgttcat catgaggatt gcttctgcca tggagctgat ggacgtgggc aggttgctga
                                                                        120
gaaggtgggg tggaagtgag tgccgggggt gggtgagtgc cctggtcttg ttcatagggg
agcetttece tagcagtgga acgetgtggt cattttetet agcatattee ettgggaagt
                                                                        180
ctagatttgc tattaatctg gctgagaatc taagttctgt gccttagaga cagtttgcac
                                                                        240
tttcccatat tgtgcctggg acagccatat gatttttttt cccaccaaac aagtatgcaa
                                                                        300
acagaaacca gttcaaaggg ggatggtgta aaagatgagg cagtanaaat gcctttgaat
                                                                        360
ggttttctgt agctaattct ctttaaattt tgtcctgctt tttttcttta t
                                                                        411
      <210> 427
      <211> 450
      <212> DNA
      <213> Homo sapien
      <220>
      <221> misc_feature
      <222> (1)...(450)
      <223> n = A,T,C or G
      <400> 427
                                                                         60
acgtgtacaa gtttgaactg gatacctctg aaagaaagat tgaatttgac tctgcctctg
                                                                        120
gcacctacac tetetaetta ateattggag atgecaettt gaagaaceca ateetetgga
atgtggctga tgtggncatc aagttccctg aggaagaagc tccctcgact gtcttgtccc
                                                                        180
                                                                        240
agaacctttt cactccaaaa caggaaattc agcacctgtt ccgcgagcct gagaagaggc
ccccaccgt ggtgtccaat acattcactg ccctgatcct ctcgccgttg cttctgctct
                                                                        300
tegetetgtg gateeggatt ggtgeeaatg teteeaactt eacttttget eetageaega
                                                                        360
ttatatttca cctgggacat gctgctatgc tgggactcat gtatgtctac tggactcagc
                                                                        420
                                                                        450
tcaacatgtt ccagaccttg aagtacctgg
      <210> 428
      <211> 377
      <212> DNA
      <213> Homo sapien
      <220>
      <221> misc_feature
      <222> (1)...(377)
      <223> n = A,T,C or G
```

<pre><400> 428 cagggctata gtgcgctatg ttgatctggt gttcatgcta agttccgcat caatatggtg acttcttggg agtggggac caccaggttg cctaaggagg ggtgaacctg cctacgttgg aaatagagct ggncaaaact cctgtgctca tcagtagtag aattgcacct gtgaatagcc nccgccctcc agcatgggca acataacaag accctgcctc ttaaagataa aaattggaaa acactngtag gaaaaaaagg gtgnttggtc taaataaatn tggattgggn ataaatgacn caaaactatc atgaatttga aagcntttct aatttcttga aagtctgaaa aaagttaaan cncaatttta tctnaaa</pre>	60 120 180 240 300 360 377
<210> 429 <211> 206 <212> DNA <213> Homo sapien	
<400> 429 gttgctcctc caaagaaggt tggcttcaag gccgtgtcca gggacccacg agcagaggca ctggggggca agggatctcc aagggggcaa gggatcccta aagggggtag ctcacaggtg agggggttta gggccctct agggagcgcc tgaggccata cattcaagag tgtccctggt gaggcccagg gaagagccag gactgg	60 120 180 206
<210> 430 <211> 473 <212> DNA <213> Homo sapien	
<220> <221> misc_feature <222> (1)(473) <223> n = A,T,C or G	
<pre><400> 430 ccttatttnt cttgtccttt cgtacaggga ggaatttgaa gtagatagaa accgacctgg attactccgg tctgaactca gatcacgtag gactttaatc gttgaacaaa cgaaccttta atagcggctg caccatcggg atgtcctgat ccaacatcga ggtcgtaaac cctattgttg atattggactc tagaatagga ttgcgctgtt atccctaggg taacttgttc cgttggtcaa gttattggat caattgagta tagtagttcg ctttgactgg tgaagtctta gcatgtactg ctcggaggtt gggttctgct ccgaggtcnc cccanccgaa atttttaatg caggtttggt agntnaggac ctgtgggttt gttaggtact gggtgcatta ataaattaaa gctccatagg gtcttctcgt cttgctgtgt tatgcccncc tcttcacggg caggtcaatt tca</pre>	60 120 180 240 300 360 420 473
<210> 431 <211> 215 <212> DNA <213> Homo sapien	
<220> <221> misc_feature <222> (1)(215) <223> n = A,T,C or G	
<400> 431 cctgtatnaa gctanaaaaa gactaccagc ccgggatcac cttcatcgtg gtgcagaaga ggcaccacac ccggctcttc tgcactgaca agaacgagcg ggttgggaaa agtggaaaca	60 120

ttccagcagg cacgactgtg gacacgaaaa tcacccaccc caccgagttc gacttctacc 180 215 tgtgtagtca cgctggcatc caggggacaa gcagg <210> 432 <211> 391 <212> DNA <213> Homo sapien <220> <221> misc_feature <222> (1)...(391) <223> n = A,T,C or G <400> 432 ccagcactgc cacaaacttt ttcagggcca ccaggcgctg cccttccagg accgggaacc 60 tgcccacttc tatccgcagg atgtagtgca gtgcagattc caggtcagcc atgtagatcc 120 180 tggagcgatc tgccaatttc caaacagtgg gagctatctt gttagcagtg gttggtgcaa 240 ctgtggtctg ggcagcctcc ctggtgagcc cagagagtct ctgcaggtaa gcggtataga 300 aggacctgga ttccatgagc acggggactc gggagacgga gccattccgg aacagcaggt agcaagaggg gaagtcggtg acaccaaact ttctcaccac attggcctct gtgttcagca 360 391 ccctgcgcac cgccacncct ttgtgctggg a <210> 433 <211> 420 <212> DNA <213> Homo sapien <220> <221> misc_feature <222> (1)...(420) <223> n = A, T, C or G<400> 433 60 ctgtagette tgtgggaett ccactgetea ggegteagge teagataget getggetgeg tacttgttgt tgctttgttt ggagggtgtg gtggtctcca ctcccgcctt gacggggctg 120 180 ctatctgcct tccaggccac tgtcacggct cccgggtaga agtcacttat gagacacacc 240 agtgtggcct tgttggcttg aagctcctca gaggagggcg ggaacagagt gaccgagggg 300 gcagccttgg gctgacgtag gacggttagt ttggnccctc cgccgaatgc cgcanttcta 360 ctgtcccaca cctgacagta atagtcancc tcatcttcgg cttgggctct gctgatggtc agggtggccc gtgntccccg agttggagcc agggaatcnc tcagggatcc canagggccn 420 <210> 434 <211> 239 <212> DNA <213> Homo sapien <220> <221> misc_feature <222> (1)...(239) <223> n = A,T,C or G <400> 434 ccaaccanga gagaagggat cgcctggtgc ccagggccca ccaggagctc caggcccact 60 tgggattgct gggatcactg gagcacgggg tcttgcagga ccaccaggca tgccaggtcc 120

taggggaagc cctggccctc agggtgtcaa gggtgaaagt gggaaaccag gagctaacgg tctcagtgga gaacgtggnc cccctggacc ccagggtctt cctggtctgg ctggtncag <210> 435	180 239
<211> 415 <212> DNA <213> Homo sapien	
<220> <221> misc_feature <222> (1)(415) <223> n = A,T,C or G	
<pre><400> 435 ctgtccaatg gcaacaggac cctcactcta ttcaatgtca caagaaatga cgcaagagcc tatgtatgtg gaatccanaa ctcagtgagt gcaaaccgca gtgacccagt caccetggat gtcctctatg ggccggacac ccccatcatt tcccccccag actcgtctta cctttcggga gcaaacctca acctctcctg ccactcggcc tctaacccat ccccncanta ttcttggcgt atcaatggga taccgcagca acacacaca gttctnttta tcgccaaaat cacgccaaat aataacggga cctatgcctg tttagggntn taacttggnt actggccgca anaattccat agtcaagagc atcacagnct ctgcatntgg aacttctcct ggctntcaga cctgn</pre>	60 120 180 240 300 360 415
<210> 436 <211> 152 <212> DNA <213> Homo sapien	
<400> 436 ccaggattga caggccatcc attcacagcc aggagatgct gggccagtcc ctccaagagg tctccgtcat ggcagtgatg aaaacctaac agggtggccc cctgtgccag ctcaggtgac tggagcccga gggcctgaca ggttcccagc ag	60 120 152
<210> 437 <211> 174 <212> DNA <213> Homo sapien	
<400> 437 ccaggtactg gcacatcatg ctctggatgg gggtggtggt gtcctgtaag cagagaaaca ggaaattgtc gtagtcagta tcgagcagct gtggcctcgt tcgccaccgt atagttgatc ttgaacttct ttggattctc agtcttctct ccaaggacct tcttctcaac acag	60 120 174
<210> 438 <211> 485 <212> DNA <213> Homo sapien	
<220> <221> misc_feature <222> (1)(485) <223> n = A,T,C or G	
<400> 438 ccacggccct ctcggccctc tcgctgggag cggagcagcg aacagaatcc atcattcacc	60

```
gggctctcta ctatgacttg atcagcagcc cagacatcca tggtacctat aaggagctcc
                                                                        120
ttgacacggt caccgcccc cagaagaacc tcaagagtgc ctcccggatc gtctttgaga
                                                                        180
                                                                        240
agaagctgcg cataaaatcc agctttgtgg cacctctgga aaagtcatat gggaccaggc
                                                                        300
ccagagtect gaegggeaae cetegettgg acetgeaaga gateaacaae tgggtgeagg
                                                                        360
cgcagatgaa agggaagctc gccnggtcca caaaggaaat tcccgatgag atcagcattc
teettetegg ngtggegeae tteaagggge agngggtaae aaagtttgae tneagaaang
                                                                        420
                                                                        480
acttccctcg aggatttcta cttggatgaa gagaggaccg tgagggtccc catgatgtcg
                                                                        485
gaccc
      <210> 439
      <211> 317
      <212> DNA
      <213> Homo sapien
      <220>
      <221> misc_feature
      <222> (1)...(317)
      <223> n = A, T, C \text{ or } G
      <400> 439
gggccgtctt cccctccatc gtggggcgcc ccaggcacca gggcagtgat ggtgggcatg
                                                                         60
ggtcagaagg attcctatgt gggcgacgag gcccagagca agagaggcat cctcaccctg
                                                                        120
aagtacccca tcgagcacgg catcgncacc aactgggacg acatggagaa aatctggcac
                                                                        180
cacaccttct acaatgaget gegtgtgget ecegaggage acceegtget getgaeegag
                                                                        240
                                                                        300
gececetga acceeaagge caacegenag aagatgaeee agateatgtt tgagaeette
                                                                        317
agcaccccag ccatgta
      <210> 440
      <211> 338
      <212> DNA
      <213> Homo sapien
      <220>
      <221> misc_feature
      <222> (1)...(338)
      <223> n = A,T,C or G
      <400> 440
ccanaaagac ttcccaggga agatgcttgg ctctctgctc caaggtgggc catggtatag
                                                                         60
ggccctcgaa gggcttgtgg ctggggtgat cccagggggc attgctcaaa gtgcacagga
                                                                        120
ggtggcagca gggtcaggcg agttcctgtt ccagggacat caggagggag ggtagaagcc
                                                                        180
tagggagtgt gcgaggctgc tgggatgagg gagctcaggg gctaccagct aaccagcctc
                                                                        240
                                                                        300
ageteaatgg titeteeate ettgggtetg tagteageaa taeettgeaa eagtggggtg
                                                                        338
ttggggtctc ggagaagctg ccagaactcc ctttctcc
      <210> 441
      <211> 505
      <212> DNA
      <213> Homo sapien
      <220>
      <221> misc_feature
      <222> (1)...(505)
      <223> n = A, T, C or G
```

<pre><400> 441 ccacacagan tcaccaagcc acagacttgt cttccacaag cacgttctta tcttagccac gaagtgacca agccacacgt actaaaggtt gaactcaaag atatgtacag ggtattaaac aaataccaag gggaacagtt aacttcaata caaggtcgaa atcagcaaca agttctacaa tccagngctg atatcagata caagcttcaa ggacaatttc ttttcgaagg cttattccag tttcgngagg ctagcatgag gtgtgtgcat ttgccagggg caaatttcta ttctcaatta acccatgcag caaatgctac ncatggtgen gagtccgttt agaagcattt gcggtggacg atggagggc ccgactcgtc ttactcctgc ttgctaatcc acnngngctg gaaggnggac agtgaggcca cggatggagc caccnatcca caccgagtnc ttgcgctctg ggggtgcgat natnttgatc ttcatggtgc ttgggc</pre>	60 120 180 240 300 360 420 480 505
<210> 442 <211> 386 <212> DNA <213> Homo sapien <220> <221> misc_feature	
<222> (1)(386) <223> n = A,T,C or G	
cgccaggtga tacctcegce ggtgacccag gggctctgcg acacaaggag tctgcatgtc taagtgctag acatgctcag ctttgtggat acgcggactt tgttgctgct tgcagtaacc ttatgcctag caacatgcca atctttacaa gaggaaaccg taagaaaggg cccagccgga gatagaggac cacgtggaga aaggggtcca ccaggcccc caggcagaga tggtgaagat ggtcccacag gccctcctgg tccacctggt cctcctggc cccctggtct cgatgggaac tttgctgctc agtatgatgg aaaaggaggg nggacttggc cctggaccaa tgggcttaat gggacctana ggcccacctg gtgcag	120 180 240 300 360 386
<210> 443 <211> 404 <212> DNA <213> Homo sapien	
<220> <221> misc_feature <222> (1)(404) <223> n = A,T,C or G	
<pre><400> 443 cctcctctc agagcttgcc ccagggactc tctggccctc agggttcaat gtattctgac caaggccaag ctttcctggg gctcagggaa aatcacactt tgctacccga agctgtatcc cctcagatgc caggaaggcc gtgatcatct gactccaccc tcctgagaca cattctctcc ctgactgtcc tgttctaagt cagcggagca ccttaggatg gaggggtgga ggcgaggcca ngatgcagcc tctgtgaaca ggtgcctgga ggctggaaa tgaccctgag agggcaggac acagcnaccg ngggcttaag gtgagggga agagcaagnt tggcccactt tacaattcta gntcagagcc ancccctaac atggngggca tttattcatt tcgg</pre>	60 120 180 240 300 360 404
<210> 444 <211> 318 <212> DNA <213> Homo sapien	

<211> 321

```
<220>
      <221> misc feature
      <222> (1)...(318)
      <223> n = A, T, C \text{ or } G
      <400> 444
                                                                          60
catgggctat agtgcgctat gttgatctgg tgttcatgct aagttccgca tcaatatngc
                                                                         120
qacttettng gagtggggga ccaccangtt gcctaaggag gggtgaacet gcctacgttg
gaaatagagc tggtcaaaac tcctgtgctc atcagtagta gaattgcacc tgtgaatagc
                                                                         180
caccgccctc cagcntgggc aacatagcaa gaccctgcct cttaagataa aaattggaaa
                                                                         240
acactggtan gaaaaaaagg ctgtttggtc taaanaagtc tggatngggt ataaatgaca
                                                                         300
                                                                         318
cnaanctatc atgactnt
      <210> 445
      <211> 418
      <212> DNA
      <213> Homo sapien
      <220>
      <221> misc feature
      <222> (1) ... (418)
      <223> n = A, T, C \text{ or } G
      <400> 445
ccagtccaac ctgctcctca ttattgtata aatgagcaga atcaatatgg cggaagccag
                                                                          60
cttcaattgc caatttggtg gcctctaaag ctttactttt aggaacctct gcaggcgcat
                                                                         120
aggtgccaaa tcccaggaca ggcatgaagt gaccatcatt cagcttcaca cactgatatt
                                                                         180
togaatocat ttotgtoact agootggotg goaaatgttt otttottoot cootcacagg
                                                                         240
                                                                         300
ctataagagc aatgagctgg caacgcccct gagcacactg tctgctgntt aaccaatggc
                                                                         360
atgtgagagg agggacagag gcagtcttac acaagctgtg ataaaaattg catncagttc
                                                                         418
aaccagtttc ttacnttatt ctaatgngna ggaagtgtgn gaagagcaca aagtcaga
      <210> 446
      <211> 361
      <212> DNA
      <213> Homo sapien
      <220>
      <221> misc_feature
      <222> (1)...(361)
      \langle 223 \rangle n = A,T,C or G
      <400> 446
ctgtccaatn acaacaggac cctcactcta ctcagtgtca caaggaatga tgtaggaccc
                                                                          60
tatgagtgtg gaatccanaa cgaattaant gttgaccaca gcgacccagt catcctgaat
                                                                         120
gtcctctatg gcccagacga ccccaccntt tccccctcat acacctatta ccgtccaggg
                                                                          180
gtgaacctca gcntctcctg ncatgcagcc tctaacccac ctgcacagta tccttggctg
                                                                          240
attgatggga acntccagna acacnacaca agagetettt atetecanen tnactganaa
                                                                          300
gaacagcgcg actctatncc ttccaggggg ggggggtggg gnntgnggac cttnccgggc
                                                                         360
                                                                          361
C
       <210> 447
```

```
<212> DNA
      <213> Homo sapien
      <220>
      <221> misc feature
      <222> (1)...(321)
      <223> n = A, T, C or G
      <400> 447
ccagganant ggttccccaa aggggacctc acccgccccg agctctggag ccgctgacgc
                                                                          60
tegeatecag gaeatttgag atgggaatee aaataggeta ettgnaaaag aegtgetgea
                                                                         120
ngcagccctg gagagactca tggagttcat tgtacattac tccatctacc gaggcagcgc
                                                                         180
atggcatgac tnaacggctt gnaacaaaca canaaattac caccacaaac attcaggaac
                                                                         240
caaatataat ctgctatggt cacaccacag acaatgcagg aagaggcttt ttattgctng
                                                                         300
                                                                         321
ngtgngtttt caaatcatgt t
      <210> 448
      <211> 325
      <212> DNA
      <213> Homo sapien
      <220>
      <221> misc feature
      <222> (1)...(325)
      \langle 223 \rangle n = A,T,C or G
      <400> 448
ccagcttcaa ctttttagta tagaagatac aggatcacaa aaaggagact acgctttgca
                                                                          60
aacatagcat caaaattcaa cttttctctt tgcagtttat ccatggngtc agcatacctt
                                                                         120
gcaagggaag ctacttacat caaataactt ttctatatac atttcctcat tgaccttttc
                                                                         180
tcaaagaata tcttggtttt gccgaacaaa cataatatag gngtctgcca gatccattcc
                                                                         240
tggtttctgt ngtgaaggaa aagcaggggg aacaaaataa tatcagggtc tcaatngtga
                                                                         300
                                                                         325
nattattatt taatcatacc ctgan
      <210> 449
      <211> 123
      <212> DNA
      <213> Homo sapien
      <220>
      <221> misc_feature
      <222> (1) ... (123)
      <223> n = A, T, C or G
      <400> 449
                                                                          60
cattaatntt ggaagcgatg gtgtggatta catcagtgtt agggcatggt gtggatatta
                                                                         120
ttacattann attggaagcg atggtgtgga ttacatcagt gatagggcac ggtgtggata
                                                                         123
tta
      <210> 450
       <211> 328
       <212> DNA
       <213> Homo sapien
```

<220> <221> misc_feature <222> (1)...(328) <223> n = A, T, C or G<400> 450 60 ctggcaattt tgagctgccg gttatacacc aaaatgttct gttcagtacc tagctctgct 120 cttttatatt gctttaaatt tttaaagaaa ttatattgca tggatgtggt tatttgtgca tattttttaa caatgoocaa totgtatgaa taatgtaaac ttogattttt ttttaaaaaa 180 240 300 ngggatgttt ttgtaangtt aattttctaa gactttttca catccaaagt gatgctttgc 328 tttgggtttt aactgtttca acntnggn <210> 451 <211> 209 <212> DNA <213> Homo sapien <400> 451 ctgccttgtt tcaacagaca tgcaaagatc ctaggagaca gtccccatag accttcagac 60 attaaaaagg gagccgtaca gtttgtttga agcacttcgt cttacccatt tatgcagggg 120 ccccaggaaa cttacacaca gccagaatga ggttcccaaa ggacttacat taattatggc 180 209 tcttgcttcc tttcacaaat gagctgagg <210> 452 <211> 457 <212> DNA <213> Homo sapien <220> <221> misc_feature <222> (1) ... (457) $\langle 223 \rangle$ n = A,T,C or G <400> 452 ctgtctantc ccttcaagag ctgtttatag aagcttgaga atggggtaaa aatttctgct 60 agcaaaatca agttettttt gaaattttat cagtaateca gaatttagta gteeatgeet 120 tctcactcag catttagaaa taaaaatgtg gtttcttaaa cgtatatcct ttcatgtata 180 tttccacatt tttgtgcttg gatataagat gtatttcttg tagtgaagtt gttttgtaat 240 300 ctactttgta tacattctaa ttatattatt tttctatgta ttttaaatgn atatggctgt ttaatctttg aagcattttg ggcttaagat tgccagcacc acacatcaga tgcagtcatt 360 gttgctatca gtgtggaatc tgatagagtc tngactccgg ccacttggag ttgtgnactc 420 457 caaagctaag gacagtgatg aggaagatgg catgtgg <210> 453 <211> 277 <212> DNA <213> Homo sapien <400> 453 ccaattgatt tgatggtaag ggagggatcg ttgacctcgt ctgttatgta aaggatgcgt 60 agggatggga gggcgatgag gactaggatg atggcgggca ggatagttca gacggtttct 120 atttcctgag cgtctgagat gttagtatta gttagttttg ttgtgagtgt taggaaaagg 180 gcatacagga ctaggaagca gataaggaaa atgactacga gggcgtgatc atgaaaggtg 240

ataagctctt ctatgatagg ggaagtagcg tcttgta	277
<210> 454 <211> 198 <212> DNA <213> Homo sapien	
<pre><400> 454 gttaaaagat agtaggggga tgatgctaat aatcaggctg tgggtggttg tgttgattca aattatgtgt tttttggaga gtcatgtcag tggtagtaat ataattgttg ggacgattag ttttagcatt ggagtaggtt taggttatgt acgtagtcta ggccatatgt gttggagatt gagactagta gggctagg</pre>	60 120 180 198
<210> 455 <211> 608 <212> DNA <213> Homo sapien	
<220> <221> misc_feature <222> (1)(608) <223> n = A,T,C or G	
ctgagcaagc taaggaccag gggcaactag accctaataa tgngtacttt tgaaaatgat acaaactacc ttggttgtaa gaagtgcagg ttgaacactt taggagaaca gtcttcaaacc tggcaattca aaatttccca ttatatgtga ataaaattgg aaggatgtta aatgtccatg gaaagttact cttgtaagtt aggatgcctt atactgaggc tttanaatga aagtacactt cacaaatgga atagtgaaca taaattacca gaagtcaaga taatagtcat actagtaagg taagcaaggt aaattccctt atacacaaaa attatttga tgaccttttt cacataatgaa agtgtttaa aaagctccct aaacacaaaa cgaacataaa actgcttaat actttagag ctcatgtaat attcttgctg aaaacagtta ctgaaattac cagcgaaatg atagaagta ttctctggac tataaatcnt gggcaaatag acttccactt tattattacc ccaaatta	60 120 180 240 300 360 420 480 540 600 608
<210> 456 <211> 467 <212> DNA <213> Homo sapien <220> <221> misc_feature	
<222> (1)(467) <223> n = A,T,C or G <400> 456	
cctggacctg tgtaaacctt caaacactct tttttacatt aggtcgtgaa gttaaatttt ttactgtttc tgtgctacag actcttcaaa gggaaatagt taagtcaatt tcaaagaaaa tgaccagcac attttaaaa cattagaaat gatttgactt tgactatcta ctgccaaaaa aaggttaagg aatttgtaat gagaagctaa aaactttaag gaattttaag gaactcaaaa caaaaactca ttaaatgtaa ttaaagtgaa ttctacaaat aaagcctctt aatacatttc tataatagtc acttaagact taaattcaaa cactagcaaa ccacaaaatc agactgtntg actgacatcc aaaagataaa tataaatcaa aatccgaccc cagcattagc caaggggtag	60 120 180 240 300 360 420

gtgttcctct tgaggaaggc aggaattcct cttctgccac ctgttgg	467
<210> 457 <211> 183 <212> DNA <213> Homo sapien	
<220> <221> misc_feature <222> (1)(183) <223> n = A,T,C or G	
<400> 457 ccaaattttn tacttlaaac actgaaaaca gaggaagtta ataaaaattt taacctataa agtcccctgg ttgttagtca ttaacagcag attgtcagat aagactggta aaatgatggc tgctaagcat ttgatgatcc aggcgcagga tgatcaaact gcagcagatc atgcacgtga cag	60 120 180 183
<210> 458 <211> 445 <212> DNA <213> Homo sapien	
<220> <221> misc_feature <222> (1)(445) <223> n = A,T,C or G	
<pre><400> 458 gaaaaatata aagccaaaaa ttggataaaa tagcactgaa aaaatgagga aattattggt aaccaattta ttttaaaagc ccatcaattt aatttctggt ggtgcagaag ttagaaggta aagcttgaga agatgagggt gttacgtag accagaacca atttagaaga atacttgaag ctagaagggg aagttggtta aaaatcacat caaaaagcta ctaaaaggac tggtgtaatt taaaaaaaac taaggcagaa ggtttttgga agagttagaa gaatttggaa ggccttaaat atagtagctt agtttgaaaa atgngaagga ctttcgtaac ggaagtaatt caagatcaag agtaattacc ancttaatgt ttttggcntt ggactntgag ttaagattat ttttaaatc ctgaggacta ncattaatgg gacag</pre>	60 120 180 240 300 360 420 445
<210> 459 <211> 426 <212> DNA <213> Homo sapien	
<220> <221> misc_feature <222> (1)(426) <223> n = A,T,C or G	
<pre><400> 459 cctatgatan cttctctagc tatcatactc caatcagcaa aaaatgagaa aatgttgaga aatagaagat aattcctcat ttaaggccac cttctagaat ttgtgcttaa gattctgctt tcttctcatg ggccagcact tcggcaactg gcaaaaatta ggtgtacagg gatctaggta atactgttta tttgagcaat aatatattgt gctaacgttc aggcatccta ttactgagaa ataagggaaa atgagtgtaa agtacaacta agagtctcgg cgacagggaa aaataccatc</pre>	60 120 180 240 300

agttaaatat ccatagtcct agagcattta tgtaaaactg caatntgaat cctgcaatac atnttggctt tttccctcag tgataccatg tgagggaagn ngctctgtca aggcgggccg gataga	360 420 426
<210> 460 <211> 348 <212> DNA <213> Homo sapien	
<220> <221> misc_feature <222> (1)(348) <223> n = A,T,C or G	
<pre><400> 460 ccaaatttta aaatgttatt tttcatatca tttataacct tgtcacaatc cacttaaaga agtttggtta tatttcactg aaaattttct tccagagtag gtttttttc gtgggttggg gggtaacttt actacaatta gtaagtntgg tgcagaattt catgcaaatg aggagtgcag cagngtgata atttaaacat atntaaacaa aaacaaaaaa aatgaatgca caaacttgct gctgcttaga tcactgcagc ttctaggacc cggtttcttt tactgatnta aaancaaaac aaaaaaanta annacnttgt gcctgaaatg aancttgttt ttttntna</pre>	60 120 180 240 300 348
<210> 461 <211> 378 <212> DNA <213> Homo sapien	
<220> <221> misc_feature <222> (1)(378) <223> n = A,T,C or G	
<pre><400> 461 ccactaagac agaacggaat ctagtagaag tgcaccaatg cttcagtccc tcctactcag catggtgagc agtggtcaat ctgtgccctg tggaatgatg ggcagataat tctggcatgt gtaaataata ataaataatt cacttggtgc aggcagtatg tctatgaatt aaaacctagt gtgtacacag tgcctacatg tgttacagcc ccacagtagg aatctacacc aaaatattta ttagaaggaa tttggtccgt actacatcac gctttccgga gggtaaaaaa taaagtccat ctatagacat ttcaccacag acccagagac tgagtctggc taaaacctgc aaaatgtcta taacaaaagn ggatggct</pre>	60 120 180 240 300 360 378
<210> 462 <211> 197 <212> DNA <213> Homo sapien	
<220> <221> misc_feature <222> (1)(197) <223> n = A,T,C or G	
<400> 462 gcgaggtcca cactattaaa agctgttggg taattgaagg tgatataaaa tgactgtcnt catttggagt gngcagcaca nttacttcat gttgctcang tttanaacaa tntcccctgn	60 120

aagttctcac acagatnggn agaaatcata tngaagaatn taagaga	cctanttntg	gtnaatcact	atggcagccg	180 197
<210> 463 <211> 279 <212> DNA <213> Homo sapien				
<220> <221> misc_feature <222> (1)(279) <223> n = A,T,C or G				
<pre><400> 463 cataagtgat gangaggnaa aatcantnaa tgcacatata catgttcaca gcatgtatac tggttccctt ctacagcaga cacaaaacca ataccaaaaa aagggtaatn ngntcactga ttctgnactt tgggaatgca tnnaggnaac</pre>	aatgataatc aggtgaacta ttctgaagna	cctacggttt ggtnggcaga	aaccaagtta tgtanaggga	60 120 180 240 279
<210> 464 <211> 552 <212> DNA <213> Homo sapien				
<220> <221> misc_feature <222> (1)(552) <223> n = A,T,C or G				
<pre><400> 464 gatgggttga taggtgcagc aaaccaccct acatcctgca caggtactcc aaaactaaaa aattaaaccc aaaatcactt ccccatctgg tgagctgatg ctatagtggg ttgaaaattt tgcatgagag agcaacatga atcatngaga taggagagcc ctcaatgatc ccggctgtct tggcagatgg gatgtgatgt cactttcaag cagagggttt tcttctctgt ctanctctct nacctcngcc gcnacccacg ctaaggggcg tggatccgng ct</pre>	gtaaaaaaat acttgattta tggggtcctc gccagagtat tgtattcgcg attangttat tttgggtagn	ctaaaagaaa gatgaaaagc agaaggggat agagagnggt ttgcacttac aaatagacta ttcattctga	aaagaaaaag ttctggactt gaggatatat gggtagactg ttgtataata tggcttcaat gagaaagcca	60 120 180 240 300 360 420 480 540 552
<210> 465 <211> 444 <212> DNA <213> Homo sapien				
<220> <221> misc_feature <222> (1)(444) <223> n = A,T,C or G				
<400> 465 ccactcttgg tagaaacctt gaaactttca	ccttgctggg	ctttagcaaa	gtttcctttt	60

acagttetgt ttatgagett cagetactga taaageactt cetgaactte tetattatea tagngaecet etgaataace tgagtgactg geteggeaat tegetttata accattetta tecceaaagt tggageacat aaacatttag atgtettte etgtaaaata ttetagaeat taaceaagagaa gaaatteagg aggtgneea tetecagagt teetetgttg gaaageagen ateaagaane etttaaaaaa ttggtgtnaa getntgeene etgeagaaat gentngeeee acattattet tetggggnaa agna	120 180 240 300 360 420 444
<210> 466 <211> 381 <212> DNA <213> Homo sapien	
<220> <221> misc_feature <222> (1)(381) <223> n = A,T,C or G	
<pre><400> 466 cctactatgg gtgttaattt tttactctct ctacaaggtt ttttcctagt gtccaaagag ctgttcctct ttggactaac agttaaattt acaaggggat ttagagggtt ctgtgggcaa atttaaagtt gaactaagat tctatcttgg acaaccagct atcaccaggc tcggtaggtt tgtcgcctct acctataaat cttcccacta ttttgctaca tagacgggtg tgctcttta gctgttctta ggtagctcgt ctggnttcgg gggtcttagc tttggctctc cttgcaaagt tatttctagt taattcatta tgcannaggt ataggggnta gtccttgcta tattatgctt ggttataatt tttcatcttt c</pre>	60 120 180 240 300 360 381
<210> 467 <211> 95 <212> DNA <213> Homo sapien	
<220> <221> misc_feature <222> (1)(95) <223> n = A,T,C or G	
<400> 467 cctatanatt ntggnttgta tactgggtcc tgaaaaccct cttggngctc tgttttaag gagctgaanc caangancgc caataataat acttt	60 95
<210> 468 <211> 224 <212> DNA <213> Homo sapien	
<400> 468 cagtgggtct ctgatgcctt gcctgcagca gaaggaggga gcagagatca agaggaagga aaaaatcata tgtacttatt tgaaggtaaa gattattcta aagagcccag taaggaagac agaaaatcat ttgaacaact ggtaaacctt cagaaaaccc ttttggagaa agctagtcaa gagggccgat cactccgaaa taaaggcagt gttctcatcc cagg	60 120 180 224
<210> 469 <211> 416	

<212> DNA <213> Homo sapien <400> 469 ctgagttcta gttcaaaagc tttatcctta acttcgtcat gtactatgta aattctagaa 60 tagaaaaggg aaaggtaaga ttttggtaac ctccaaacat tgaagtagtt cacagaccca 120 aagtcagtac aaattagaat gtccatccat aataaaagta tctataaaat tacacagaca 180 240 cattctacat agtatttaac attagagaag acaaattaca cagggactga aataaaatga aacatctact ctcccgacaa atgttgaata tacctaatca acccaagttc agtttatttt 300 tgcacattgc tttagagata taacttggct gggcacagtg gctcacacct gtaatcccaa 360 cactttggga gaccaaggcg gatggatcac ttgaggtcag ttcgagacta gcctgg 416 <210> 470 <211> 376 <212> DNA <213> Homo sapien <400> 470 caccttttaa ctgtatcaca aagtctgttg ctgtggttac agcctttgtt tccagtgatg 60 120 ttttgtccat gctttccccc aacccttaac aatggttact caaaagaatg aaataatgag tcattcattc gggaatatgt taaaatatcc ctctttatca ttacatttca ctgcttagaa 180 actaggctgt aattcaaggc aacagttaag tctgagaact gttaaaaaaa tctttgattt 240 tttttcattt ttaagaaaaa cctgcctatt taattgttca gacttgtaag aggttcttca 300 attacatcct ttttggttaa tgtattattt ctggaacaag tagataaaat tctacgcagt 360 376 aagcataata aaaatc <210> 471 <211> 357 <212> DNA <213> Homo sapien <400> 471 ggcttcgtat aatggttctt ttgtcacccc tgatcgacga tttcgctacc cgtacaactc 60 tgacaaggga acgaaatgct tctgtgtatt cacctagtgg tcctgtgaac agaagaacaa 120 caactccacc ggatagtgga gtactgtttg aagggttagg catttcaaca agacctagag 180 atgttgaaat teeteagttt atgagacaga ttgeagtaag gaggeeaact aeggeagatg 240 aaagatettt geggaaaatt caagaacaag atattattaa ttttagaega aetetttaee 300 357 gtgctggtgc tcgagttaga aatattgaag atggtggccg ctacagggat atttcag <210> 472 <211> 557 <212> DNA <213> Homo sapien <220> <221> misc_feature <222> (1)...(557) <223> n = A, T, C or G<400> 472 60 cngagatgac atttacaatc tettgaaang cagcagatgg cactetggtg ettectatga 120 agcaacatgc ttgaaatcaa gggccaacaa ttgttgtagg aaagcaaaat atacctctaa cacctacgtt taccaaaaaa gctgacatct caaactctga gttgttgaga ctcaaatttc 180 tcatccccaa agaagcctat tacggtagtg tgntggatgc tttttgtatc tctgataggc 240

aggcactata atgggggaa atacttctga ataaaaacat tggctgtctt gcaactgtgc atataatgtc tattcaaggg ggcagtgtgc ctagcatgat cctgaaatgt tgagataaaa ggaagttggc attaaagcac tatttgtctt atatgaaaag agtgactcta tcttccagta aacaagantt cctgcaatga aaaagaaatt ttttccttca ttatctataa actatacaaa ataaccttcc tttttaacct aagactcaaa cattnatatt tgattttatt ctatttgata ccaattggta tgtccag	300 360 420 480 540 557
<211> 264 <212> DNA <213> Homo sapien	
<pre><400> 473 cctccatcaa cagaaaggat aaagacccct tcgggtctcc tcattaattc tgaactggaa aagccccaga aagtccggaa agacaaggaa ggaacacctc cacttacaaa agaagataag acagttgtca gacaaagccc tcgaaggatt aagccagtta ggattattcc ttcttcaaaa aggacagatg caaccattgc taagcaactc ttacagaggg caaaaaaggg ggctcaaaag aaaattgaaa aagaagcagc tcag</pre>	60 120 180 240 264
<210> 474 <211> 165 <212> DNA <213> Homo sapien	
<400> 474 aattcagctt ccagaggccc ttattagtcc ttgttgacag aaacatagat ttggcaactc ctttacatca tacttggaca tatcaagcat tggtgcacga tgtactggat ttccatttaa acagggttaa tttggaagaa tcttcaggag tggaaaactc tccag	60 120 165
<210> 475 <211> 417 <212> DNA <213> Homo sapien	
<220> <221> misc_feature <222> (1)(417) <223> n = A,T,C or G	
<pre><400> 475 aagttctctt cttgttttaa acacattcct gataacttct aaagatgacc aaaataaaac agaatatcta cagagatcat tttctgaatt ttttgtacat ccaaggataa caacataaaa aaaataaaac tggacagcat tccacatcca agtgcacaga accatttttg caagattaaa taatgtaaac attgggaaca gccaaatcag cgaagaatgc caacacctca aaacacctgg tgttgccgct tcattaagtg gttcaaaatc cagatctata attgcgcaat attcaccgta tataaaaaga aatggatatt aattttgaca aatagctgca actgagactt cttttattt ctttatatgn gnatatagtg aatttttatt atttttaaaaa ttttattat tttttt</pre>	60 120 180 240 300 360 417
<210> 476 <211> 321 <212> DNA <213> Homo sapien	
<220>	

<221> misc_feature <222> (1)...(321) $\langle 223 \rangle$ n = A,T,C or G <400> 476 catttaataa caaaaacaac ctgtacggaa aacccnaagg caaccacata gcatatgtaa 60 120 aatgtgcaaa tacactttaa aatgcangtt attctatagc anttgcaaga tagaatttca 180 ctgtaattag ggaatctagc tcatcctaac ttaatagnct tttgcatgtn tagacaatgc aattctacaa ggnacnactc agcgttgatg ctaaagtatg aaacacatcc tcagattatt 240 catccgaaaa tattaaaata gcntcatgtt ttattattct ttaatgagtc ntgagctcat 300 321 ttctaaagct tcataaagca t <210> 477 <211> 546 <212> DNA <213> Homo sapien <220> <221> misc_feature <222> (1)...(546) <223> n = A, T, C or G<400> 477 gctgtggtta tattgtaaat gaagcatcta acatgtgcac aacttgcaac aaaaactcct 60 tggactttaa atctgtcttt ctcagtttcc atgtgctgat tgatctgact gatcacacag 120 gcaccettca tteetgtagt eteacaggaa gtgttgetga ggagaetttg ggetgeaegg 180 tacatgagtt tettgeaatg acaaatgaae agaaaacage attaaagtgg caatteetet 240 tggaaagaag caaaatttat ttaaaaattcg ttctatcaca cagagcaagg agtggattga 300 aaattagtgt actctcgtgc aagcttgcag atcctactga ggcaagcaga aacttgtctg 360 gacaaagaca tgtttaaaac ggtctatcat tttgaactct ggaaaagtat aagagtttta 420 actcccttta aaatggaata ttaatttgaa aattatgggg aaaattgcat tttgtttaca 480 tgtggtgaac atgtttctag aaattggtat ggcgggaagg gggctgggtg agtctgaagg 540 546 acctcn <210> 478 <211> 100 <212> DNA <213> Homo sapien <400> 478 aagaaaagtg gtaaaatcaa gtcttcttac aagagggagt gtataaacct tggttgtgat 60 100 gttgactttg attttgctgg acctgcaatc catggttcag <210> 479 <211> 508 <212> DNA <213> Homo sapien <220> <221> misc feature <222> (1)...(508) <223> n = A, T, C or G<400> 479

gnnttccaaa ttcttctaac tcttccaaaa gccttctgcc ttagttttt ttaaattaca ccagtccttt tagtagctt ttgatgtgat ttttaaccaa cttccccttc tagcttcaag tattcttcta aattggtcct ggtctacgta aacaccctca tcttctcaag ctttaccttc taacttctgc accaccagaa attaaattga tgggctttta aaataaattg gttaccaata atttcctcat tttttcagtg ctattttatc caatttttgg ctttatattt ttctatcttc tatacttctc caatacttgt cttagcttgt ttttcatttt ctatctgaaa ctcttgacaa tatcttctaa tttccctatc ttctctatc tttttctcgc cttcccgtac ttctgctcc agntttccac ttcaaacttc tatcttctc aaattgtca tcctaccac cccaataatc tttccatttt cgtgtagcac ctggncag	60 120 180 240 300 360 420 480 508
<210> 480 <211> 81 <212> DNA <213> Homo sapien	
<400> 480 ggtgcccttt tcctaacact cacaacaaaa ctaactaata ctaacatctc agacgctcag gaaatagata aggaaaatga c	60 81
<210> 481 <211> 306 <212> DNA <213> Homo sapien	
<220> <221> misc_feature <222> (1)(306) <223> n = A,T,C or G	
<pre><400> 481 tcgccttcgg ccgccgggca ggttaggggn acaagacgct acttccccta tcatagaaga gcttatcacc tttcatgatc acgccctcat agtcattttc cttatctgct tcctagtcct gtatgccctt ttcctaacac tcacaacaaa actaactaat actaacatct cagacgctca gggaatagaa accgtctgaa ctatcctgcc cgccatcatc ctagtcctca tcgccctccc atccctacgc atcctttaca taacagacga ggtcaacgat ccctccctta ccatcaaatc aattgg</pre>	60 120 180 240 300 306
<210> 482 <211> 582 <212> DNA <213> Homo sapien	
<220> <221> misc_feature <222> (1)(582) <223> n = A,T,C or G	
<pre><400> 482 ggggggaaca gtcattatac attatttaga ctcattcctt cttccagtgc ccttatgatt atttcctacc tttaccattg atcttaaact gngcaggcta aaaagaggaa ccagaactcc cttaagcact tttaagacta tttaaaaaat aaagntttgt tggcattgaa gagtaagctg cttaagggac tgaatgaaaa gatagtaccc tttgtggctg tatgaagaga gaaactgaat ttctatccaa gagaccttaa tntagcctat tagggaatta tcttccccaa aagtacaagt aattttgcac tgcaggagaa ggataagtag atttgattta catcacattt tatacacacc</pre>	60 120 180 240 300 360

	420
tttcaagang gagaaatctg cttcataaat agnaggaatc tatgcttaaa ctnaacattt aatggtgacn tcttacaaca gccttgaaaa nnattggaan tcngacntga nggnggaaac	420
tggaanaaaq aatatettte tettetgeat eetttnatee teaaaettag eatggattea	540
cacgetgagg aaangttngg tnacnaceng aacatttaga ta	582
<210> 483	
<211> 275	
<212> DNA	
<213> Homo sapien	
<220>	
<221> misc_feature	
<222> (1)(275)	
$\langle 223 \rangle$ n = A,T,C or G	
<400> 483	60
gcctcactaa aataacagat ttcagtatag ccaagttcat cagaaagacc caaatggaat gatttacaaa atagaacact ttaaaccagg tcagtcctat ctttttgtag ctgaaggcta	120
tragtrataa cacaatttog ogtacacete tgeteattat ggaattacae ttaaaacgaa	180
tctcaagagg gtgaccattg ttgtttcaga taccatccct aaggagagtg gttaacagga	240
agattgccag ngttactgat ggaaagaagc gcttg	275
<210> 484	
<211> 434	
<212> DNA	
<213> Homo sapien	
<400> 484	60
catatttcca caggccaatt tetttetgtt tttetgetaa getattteag cattttaget ttteetettt getttgttta eteatgattg ceagatgget aegttaeete taagcateag	120
atcctcacaa attaatggtt aaatgtaagg gagggatttt actctcttgc attaaaaaaa	180
agetttattg agatataatt taetgtaaca ttgaeteatt taaagtatge tagteaatag	240
accaaatett qaataaaete eeatteacaa ttgetacaaa gggaataaaa tagetgggaa	300
tatagetaac aagggaagtg aagggeetet teaaggagaa etacaaacca etgeteaaga	360 420
aataagagag gatacaaaca aatggaaaaa cattccatgc tcatgaatag gaagaatcaa tatcgtgaaa atgg	434
tategrada atag	
<210> 485	
<211> 291 <212> DNA	
<212> DNA <213> Homo sapien	
<220>	
<221> misc_feature <222> (1)(291)	
$\langle 223 \rangle$ n = A,T,C or G	
400 405	
<400> 485 ncaccactgc agccctacat acagttgaaa aaaaattcca ttctgttaac atttgtttta	60
taagttttca cgcaatacac aaaaaacccc tctgcacttc ttgtaaagaa caaaaaagat	120
acacaacagt taagcgtaaa gatcacaggc aatagcattc aaacatggat gtgggtagag	180
aaaggagtac ctggcatgag tacctgctta gtttgactga atccttgatt tttaatttgg	212
cttttcatgg gccgctcaca acaccaacgc tgtgtgaggt atggtagtca g	240 291

<210> 486 <211> 274 <212> DNA <213> Homo sapien	
<pre><400> 486 ctgtaatatt gtagttgctc cagaatgtca agggcagctt acggagatgt cactggagca gcacgctcag agacagtgaa ctagcatttg aatacacaag tccaagtcta ctgtgttgct aggggtgcag aacccgtttc tttgtatgag agaggtcaaa gggttggttt cctggagaaa attagttttg cattaaagta ggagtagtgc atgttttctt ctgttatccc cctgattgtt ctgtaactag ttgctctcat tttaatttca ctgg</pre>	60 120 180 240 274
<210> 487 <211> 184 <212> DNA <213> Homo sapien	
<220> <221> misc_feature <222> (1)(184) <223> n = A,T,C or G	
<pre><400> 487 tggcaccaag attctcagct cacggtacca gcatctgatt gtcggactac ctgctgcttt ccctgatatt tatacatgat attcgnaaaa tgtaaagaag ctattattca tacagacatc tagagaagga gngaagnttt taaaaaaaata aaaaaatact tattcaagc tttagctgtg ttct</pre>	60 120 180 184
<210> 488 <211> 393 <212> DNA <213> Homo sapien	
<pre><400> 488 ctgcatttt attgcgatct gcagatgaac tggaaaatct cattttacaa cagaactggg acagacgacc accatattca ctgaggtcta aatttgcagt ttccactaat gacattttga tttcccaaca gagatacttc tggtcttact gcacagtctt ttaagagaaa tacttccatt atgccacatt gtccttgatc cgtaagtgat gtgttaaggt gcttcaaagg aactctgacc tctgaagtac ttgagctact ttagtatgtc cagcctattg ctttttgttt tagtgtgtca ccataaatat caggggcata aaaggctatc tattcttaat tcaaggataa aacagaagaa gcttgtggta taaaacaata gttcaagatc cag</pre>	60 120 180 240 300 360 393
<210> 489 <211> 607 <212> DNA <213> Homo sapien	
<220> <221> misc_feature <222> (1)(607) <223> n = A,T,C or G	
<400> 489 gtgcttatgt acttaagggg aactactcta actgggtgaa gagtangatg aagcatccat	60

gtccctacaa aggatatgaa ctcatccttt ttatatgccaca ttttcttaat ccagtctatc atttgctattg tgaatagtgt cgcaatgaac atgattataat cctttgggta tatacccagn aagttctagat ccttgtggaa ttgccacact gttcccaccaac agtgtaaaag tggtcctatt tcctgacttt taatgattgn cattccaact ggatttgcattt ccctgatgtc cagtgatgat gattaaatggcct gcctttnta cttctataaa atgnttaag	tcgatggat atttgggttg tacatgtgc atgtgtcttt atgggatag ctgggtcaaa tcttccaca atggttgaac ctccacatc atctccagca gtgtgagat ggtatatcac aacnttttt tcatgtggtt	gttccaagtc 180 atagcagcat 240 tggtatttct 300 tagtttacag 360 cctgttggtt 420 cgtgggtttg 480 tttggctgca 540	
<210> 490 <211> 179			
<211> 1/9 <212> DNA			
<213> Homo sapien			
<220>			
<221> misc_feature <222> (1)(179)			
$\langle 223 \rangle$ n = A,T,C or G			
<400> 490			
cttctaggaa tactagtata tcgctcacac ct	tcatatcct ccctactatg	cctagaagga 60	
ataatactat cactgntcat tatagctact cogcaatattg ngcctattgc catactagtc to	ccataaccc tnaacaccca ttqccqcct qcqaaqcanc	ctccctctta 120 ggtaggacc 179	
_	3 3 3 3		
<210> 491 <211> 399			
<212> DNA			
<213> Homo sapien			
<220>			
<221> misc_feature <222> (1)(399)			
<223> n = A,T,C or G			
<400> 491			
cctctacctg taatcacatt aatttttcta actcattagtct atgataatag catcatagga ca	agacagggg nggtgttttg	aagataaatg 6	
totottttta goatatagoo atottgatat ti	taggnggga gactactcca	atggagcaac 18	
agtttcattt tacatgattg gatttagaaa ti aataatttga aaatggaaac atttgaccca ca	ttacaaatt ttaaactcat	aagaattcta 24	
tacttcattg ttgatcttag gtcattgatt ta	aaaacagaa tttggtgact	atgggcaggt 36	0
ggagggggcc ngtgaggaag gtataaaaga ga	aaatcttt	39	9
<210> 492			
<211> 482 <212> DNA			
<213> Homo sapien			
<220>			
<221> misc_feature			
<222> (1)(482) <223> n = A,T,C or G			

<400> 492				
ctccacctta ctaccagaca gccttagcca agaaattgaa acctggcgca atagatatag caagcataat atagcaagga ctaaccccta aactttgcaa ggggagccaa agctaagacc ctaaaagagc acacccgtct atgtagcaaa aaacctaccg agcctggtga tagctggttg tttgcccaca gaaccctcta aatccccttg gctctttgga cactaggaaa aaaccttgta gg	taccgcaagg taccttctgc cccgaaacca atagtgggaa tccaagatag taaatttaac	gaaagatgaa ataatgaatt gacgagctac gatttatagg aatcttagtt tgttagtcca	aaattataac aactagaaat ctaagaacag tagaggcgac caactttaaa aagaggaaca	60 120 180 240 300 360 420 480 482
<210> 493 <211> 207				
<212> DNA				
<213> Homo sapien				
<220>				
<221> misc_feature				
<222> (1)(207) <223> n = A,T,C or G				
<400> 493 cataaatatt atactagcat ttaccatctc	acttngngga	atgctagtat	atcgctcaca	60
cctcatatcc tccctactat gcctagaagg	aataatacta	tcactgttca	ttatagctac	120
totoataaco otoaacacoo actocotott otttgoogoo tgogaagoag oggtagg	agccaatatt	gtgcctattg	ccatactagt	180 207
ccccgccgcc cgcgaagcag oggoagg				
<210> 494 <211> 283				
<211> 263 <212> DNA				
<213> Homo sapien				-
<220>				
<221> misc_feature				
<222> (1)(283) <223> n = A,T,C or G				
, ,				
<pre><400> 494 ccaattgatt tgatggtaag ggagggatcg</pre>	ttgacctngt	ctqttatqta	aaqqatqcgt	60
aqqqatqqqa gggcgatgag gactaggatg	atggcgggca	ggatagttca	gacggtttct	120
atttcctgag cgtctgagat gttagtatta gcatacagga ctaggaagca gataaggaaa	gttagttttg	ttgtgagtgt	taggaaaagg atgaaaggtg	180 240
ataagctctt ctatgatagg ggaagtagcg	tcttgtagac	cta		283
<210> 495				
<211> 590				
<212> DNA				
<213> Homo sapien				
<220>				
<221> misc_feature <222> (1)(590)				
<223> n = A, T, C or G				

```
<400> 495
tatgtatata attttcttag ttactagcat agagaaatta ctgatttaaa aaaacatttc
                                                                      60
aaattctagc atgttgtagg attctattgc cctttctaaa aagtacatct tgcttatccg
                                                                     120
atttctaaca aaactattta atttgaagaa gggagaatga atttggataa aaagcaaaaa
                                                                     180
tttaaaggta ctcaaattta ggcaaaccat taaagcaatc ttagtttaca gttaattggg
                                                                     240
                                                                     300
tagaatggtc aacactttct tcaggttagt tcatggagtg gatatgcatt gatagaacaa
cttagagatg cttttacagt tgagaaagct cattatattt gttatcttta agaatcagct
                                                                     360
tatttatttc atatgtttgt tctttaagaa gaccaaagag ccctgcaaat gaatgttgat
                                                                     420
                                                                     480
ttgttttttt gtttgtttaa tattttgta gagataagat ctcactttgt tatgttgccc
aggotggtot caaactotca acttgaagtg atotgoccac otcagootco caaagtggtg
                                                                     540
ggattacagg catgagccac cgcacctgga cctgcccggg cggncgctcg
                                                                     590
      <210> 496
      <211> 307
      <212> DNA
      <213> Homo sapien
      <220>
      <221> misc feature
      <222> (1)...(307)
      <223> n = A, T, C \text{ or } G
      <400> 496
ggagattagt atagagaggn anacnttttt tcgngatatt tggtcacatg gataagtggc
                                                                       60
gctggcttgc catgattgtg aggggtagga gccaggtagt tagtattagg aggggggnng
                                                                     120
ttagggggtc tgaggagaag gttggggaac agctnaatag gttgttngnt gatttggnta
                                                                     180
aaaaacanta gggggatgat nctaataatt antgctgtgg gtggttgtgn tgattcaaat
                                                                     240
                                                                     300
tatgngcttt ttcggagann catgtcangt ggtagtaaat ataattgttg ggaccattan
                                                                     307
ttcttan
      <210> 497
      <211> 216
      <212> DNA
      <213> Homo sapien
      <220>
      <221> misc feature
      <222> (1)...(216)
      <223> n = A, T, C \text{ or } G
      <400> 497
cattttcctc ttggtttctt cagttaagtc aaanngncac gttcctcttt ccccatatat
                                                                       60
tcatatattt ttgctcgtta gtgtatttct tgagctgttt tcatgttgtt tatttcctgt
                                                                      120
180
                                                                      216
concnaantt gaaaaaatgn ttntttttcc ctnaca
      <210> 498
      <211> 375
      <212> DNA
      <213> Homo sapien
      <220>
      <221> misc_feature
```

<222> (1)...(375) <223> n = A, T, C or G<400> 498 gaattteetg geacetttte tegetagaga agattnngtg tgaetgggtt geetataage 60 catatagata caaactttta tctctaatac caagtcttag agggatatat taatagatct 120 180 aataaattta ttottagact tattgtttoa tgggntagtg agtotttgot actggagaca atacagactt gtcagttttt ttaaaaaaaa aaaatttgcc aagctancac attaaaaana 240 300 tntcctaagg ctntcatttt atgaggatga ttataaacnt ttntgngata aatatcacca taataaactg ttaagtacaa ctgcnggccn cccttanagn gaattcctnc agttanaaat 360 375 ttatttttt gccaa <210> 499 <211> 215 <212> DNA <213> Homo sapien <220> <221> misc feature <222> (1)...(215) <223> n = A, T, C or G<400> 499 60 ccacnaaagc agaagcttaa agcatagtag taaagaggnn aaaaagaagg acgaaaataa 120 atcagatgac aaggatggta aagaagttga cagtagtcat gaaaaggcca gaggtaatag ttcactcatg gaaaagaaat taagtagaag gttgtgcgaa aatcggagag gaagcttgtc 180 215 acaaaaaaaa aaaaaaaaaa aaaaaaaaa gtttt <210> 500 <211> 489 <212> DNA <213> Homo sapien <220> <221> misc feature <222> (1)...(489) <223> n = A, T, C or G<400> 500 ccactacgat aagcaggtag ctgggttttg tagtgagntt gctccttaag ttacaggaac 60 tctccttata atagacactt cattttccta gtccatccct catgaaaaat gactgaccac 120 tgctgggcag caggagggat gatgaccaac taattcccaa accccagtct cattggtacc 180 agccttgggg aaccacctac acttgagcca caattggttt tgaagtgcat ttacaaggnt 240 tgtctacttt cagttcttta ctttttacat gctgacacat acatacactg cctaaataga 300 tetettteag aaacaateet eagataaege atageaaaat ggagatggag acatgattte 360 tcatgcaaca gcttctctaa ttatacctta gaaatgttct cctttttatc atcaaatctg 420 ctcaagaagg gctttttata gtagaataat atcagtggat gaaaacagct taacatttta 480 489 ccatqctta <210> 501 <211> 286 <212> DNA

<213> Homo sapien

<pre><400> 501 aaaaacactc aaacacagcc ttggagggag gagtcagttt taaaagactc ttataaaagt aatatactgc tagctctgaa gaatcggagg ctaaaatcat ctcttcaagt ccccagggaa tcccaaagaa ctccagggga aggtgggatg ggccagagag ctctggaagc ttccaggtct gttgcaagcc tcacctggta cacagtaggc tcttccaggt ctgtcaggaa cccaggagcc tcccctagca cacagtaggc tcacaaaaag ggagcactgc tgctgg</pre>	60 120 180 240 286
<210> 502 <211> 168 <212> DNA <213> Homo sapien	
<220> <221> misc_feature <222> (1)(168) <223> n = A,T,C or G	
<pre><400> 502 cctatgattg tgggggcaat gaatgaagcg aacagagntt cgttcatttt ggttctcaga gtttgttata attttttatt tttatgggct ttggtgaggg aggtaagtgg tagtttgtgt ttaatatttt tagttgggtg atgaggaata gtgtaaggag tatggggg</pre>	60 120 168
<210> 503 <211> 173 <212> DNA <213> Homo sapien	
<220> <221> misc_feature <222> (1)(173) <223> n = A,T,C or G	
<400> 503 cctttataat aaattaggca aaaggttcag tgcnnggcta tantggacaa catgaaactc cataaaaatg actggatagg gggactgctt gagacttttc ttttgggcat tactaacaga attcaaagaa attccaacca cgcttatttt tccaaattct actgaaatga gag	60 120 173
<210> 504 <211> 310 <212> DNA <213> Homo sapien	
<220> <221> misc_feature <222> (1)(310) <223> n = A,T,C or G	
<400> 504 tagtattcta tttaaaaatt aagttttggg gtctgtaaaa tatacaggac aatgactttt ttaaaatgta agttaatacc tcctcctcac ttgtcttaat tgaacttagg tgtttattct taaaggngga ccttgatgaa aatgttgaga tgggaagtgt tattaggcaa aacttgttat agatttctca tataactctt aattgaccct tagaatttta acaaccgcgc ctggcccaat agactgttt ttagagtant tttaggctct cancaaaatt gaggggaaaa tacagggtgt tcccattaaa	60 120 180 240 300 310

```
<210> 505
     <211> 530
      <212> DNA
      <213> Homo sapien
     <220>
      <221> misc_feature
      <222> (1)...(530)
      <223> n = A, T, C \text{ or } G
      <400> 505
cctcagggaa cttacaatta tggcaaaagg ggaaggggaa gcaagcacct tcttcacaag
                                                                         60
gcatcaggag agagagagaa agagagtagg ggaaactacc cettttaaac catcatatcc
                                                                        120
tgtgagaact ccctcagtat tagaagagca tgagggaaac cgcctccata atccaatcac
                                                                        180
ctcccaccag gaccatccct caatacatgg gggttacaat tcaagatgag gttcgggtgg
                                                                        240
ggatacagat ttaaaccata tcagaatggt taatgatatt gttgtatttt accaactata
                                                                        300
atcttcttag tgttatagta caataatgta aaaaattgag taaatttgtt ttctatatta
                                                                        360
ttctgttttt ggaaaacatg tatatagtca gggctgtttg tctcaagaaa atatggtaaa
                                                                        420
ctctgctgtt ttggtcactg gtgcctagaa tttggggatg tacattggtt ttgattcaca
                                                                        480
                                                                        530
tgcacatttc cttctagttc acagtaacta tttctaacta tttcccnata
      <210> 506
      <211> 352
      <212> DNA
      <213> Homo sapien
      <220>
      <221> misc_feature
      <222> (1)...(352)
      <223> n = A,T,C or G
      <400> 506
                                                                         60
cttgaacgct ttcttaattg gtggctgctt ttaggcggta ctatgggtgn taaatttttt
actctctcta caaggttttt tcctagtgtc caaagagctg ttcctctttg gactaacagt
                                                                        120
                                                                        180
taaatttaca aggggattta gagggttctg tgggcaaatt taaagttgaa ctaanattct
                                                                        240
atcttggaca accagctatc accaggctcg gtaggtttgt cgcctctacc tataaatctt
cccactattt tgctacatag acgggtgtgc tcttttagct gttcttaggt agctcgtctg
                                                                        300
                                                                        352
gtttcggggg tcttagcttt ggctctcctt gcaaanntat ttctagttaa tt
      <210> 507
      <211> 370
      <212> DNA
      <213> Homo sapien
      <220>
      <221> misc feature
      <222> (1)...(370)
      <223> n = A,T,C or G
      <400> 507
                                                                         60
cctaactaga tcttatcaga atagggggga agggngtcgg ttcatcctta ttgagtgtta
atgaccctgt aagatgtaat ttcttttatt tcattctgtt acctagaaaa tctatcacag
                                                                        120
                                                                        180
ccttgtagta ttgattgctc aatctataaa gagctcagtt tacagcatga ctgttagtaa
```

cagggntatt ttaatgagtg actcttcaac acctcagagt ttcactaaat tccaacccat cagcccagta gtctaacatt aagggtctta ggaaatgaga acttatcacc tttccttatc atgaaaaggt aacctccagg taaccaaaaa tagaacttcc tctgtgttcg tttttatag aaattactgg	240 300 360 370
<210> 508 <211> 129 <212> DNA <213> Homo sapien	
<220> <221> misc_feature <222> (1)(129) <223> n = A,T,C or G	
<400> 508 ctgttaaaag aacaaactta gcaatatata acagttnggt aacaggattt ttgactattc actttgggag ttatttttaa aaatccactt ttttactgag tcttactaca taccaggcac tgtacttgg	60 120 129
<210> 509 <211> 422 <212> DNA <213> Homo sapien	
<220> <221> misc_feature <222> (1)(422) <223> n = A,T,C or G	
<pre></pre>	60 120 180 240 300 360 420 422
<210> 510 <211> 238 <212> DNA <213> Homo sapien	
<400> 510 ccacctatga attggtggtt tacctactca atggatagca gcacgaggac tgctgtactg cacaaaaaga agaccaaaag attacagtgg accatgggat acagaagcca gcatggcaga cagaagaaaa atagtttggg aacatgtaac tatcctaagt ggaagttttg ttgtaggaat tatagtaatc acaccacatt acttggcctt tcggtaatgt gaaaaaaaaa aaaaatcc	60 120 180 238
<210> 511 <211> 254 <212> DNA	

<220>

```
<213> Homo sapien
      <220>
      <221> misc_feature
      <222> (1)...(254)
      <223> n = A, T, C \text{ or } G
      <400> 511
                                                                          60
ccnattgatt tgatggtaag ggagggatcg ttgnggctcg tctgttatgt aaaggatgcg
tacggatggg agggcgatga ggactaggat gatggcgggc aggatagttc agacggtttc
                                                                         120
tatttcctga gcgtctgaga tgttagtatt agttagtttt gttgtaagng ttaggaaaag
                                                                         180
ggcatacagg actaggaagc acgataagga aaatgactat gagggcgnga tcatgaaagg
                                                                         240
                                                                         254
tgataagctc ttct
      <210> 512
      <211> 269
      <212> DNA
      <213> Homo sapien
      <220>
      <221> misc_feature
      <222> (1)...(269)
      <223> n = A,T,C \text{ or } G
      <400> 512
                                                                          60
cctacctgta aactacagta ctttatatat ctatgggntt aataaaaana aaatccacaa
                                                                         120
atcttaaaaa ggaactttaa atgcagggct atattgaatt ggnaaactgc aacacaaact
ggcgcaacat aggtaaatga ataccaatct cactctatgt gatgcaagca tgctactttc
                                                                         180
ccactaattt aaattacttt caaccactat gagccagaat gcatgcctga accttaaact
                                                                         240
                                                                          269
gcactttaaa aagtaacatc ttggcctaa
      <210> 513
      <211> 266
      <212> DNA
      <213> Homo sapien
      <220>
      <221> misc feature
      <222> (1)...(266)
      <223> n = A, T, C \text{ or } G
      <400> 513
ggaggggggt tgttaggggg tcggaggaga aggntgggga acagctaaat aggttgttgt
                                                                           60
tgatttggtt aaaaaatant agggggatga tgctaataat taggctgtgg gtggttgtgt
                                                                          120
                                                                          180
tgattcaaat tatgtgnttt ttggagagnc atgncantgg tagtaatata attgttgaga
                                                                          240
cgattagttt tagcattgga gtaggtttag gttatgnacc gtactctagg ccatatgtgt
                                                                          266
tgganattga nactagtagg gctagg
      <210> 514
      <211> 271
      <212> DNA
      <213> Homo sapien
```

<221> misc feature <222> (1)...(271) <223> n = A, T, C or G<400> 514 acatgcaana aatcgagaat cttaaaaaac annacgaanc tgccctggaa nncttactgg 60 nntangatat ttatnttgcg gctgagatac ttgaacaact tcggatcnga antagacaan 120 aangggnant tntatactgc nncagaggtt acacagntca ttgtattaga gangaacana 180 tgggtctggt gttcacacat tggggggaan atgggcgtnn acangagagg nnganaaacn 240 271 anganageet neetggttng cataanaaaa a <210> 515 <211> 328 <212> DNA <213> Homo sapien <220> <221> misc feature <222> (1)...(328) <223> n = A, T, C or G<400> 515 ccaatgaggg gcaaagtgag cgncnagaag angttttgac tgaaataaat caaacacaaa 60 aatntaagtt cacagtgaca gtttaaacaa aatccaaaca aactaacaac anaaacaccc 120 180 cttgntttgc ctctagtgga aggtgggana acacaanctc gtcctaaaaa ttgactagta aaggggaaaa cccggtcatt tncctactct ttccangaaa tatctaatgc aagaaagaac 240 300 ttctnctcat tatacngaag gaatttngaa aaatgatgta tttttggaac acctaantga 328 aatactggaa cctgggcaag ttcaccac <210> 516 <211> 220 <212> DNA <213> Homo sapien <220> <221> misc_feature <222> (1)...(220) <223> n = A, T, C or G<400> 516 ncctnagttg aaggacccca tgtacataca ggccagggga gcagtactag gntaactaga 60 aggateteat ecceatatgt gggeteattt caagtetatg gatgaetaee tteattgntg 120 tgtgcgagat ggtttcaccc cttgaaaata tgggcacttc ancataanat agcnaaatct 180 220 ttataatgat caatncatcc tacctccttt tacatgcatg <210> 517 <211> 296 <212> DNA <213> Homo sapien <400> 517 60 tgcgatttct tccttgttgt ttgctttggt ctgtgttcaa tccagagagc ttaaattgtc 120 attattttgg gaagaaaacc tgtatttttg ttagtttaca atattatgaa atttcacttc 180 aggagaaact gctgggcttc ctgtggcttt gttttcttag tttcttttc cgtgccgtgt

atttttaat tgattttct tcttttactt gaaaagaaag tgttttattt tcaaatctgg tccatattta cattctagtt cagagccaag ccttaaactg tacagaattt ccactg <210> 518 <211> 299	240 296
<211> 299 <212> DNA <213> Homo sapien	
<220> <221> misc_feature <222> (1)(299) <223> n = A,T,C or G	
<pre><400> 518 gaagatagaa aaatataaag ccaaaaattg gataanatag cactgaaaaa atgaggaaat tattggtaac caatttattt taaaagcccg tcaatttaat ttctggtggt gcagaagtta gaaggtaaag cttgagaaga tgagggtgtt tacgtagacc agaaccaatt tagaagaata cttgaagcta gaaggggaag ttggttaaaa atcacatcaa aaagctacta aaaggactgg tgtaatttaa aaaaaactaa ggcagaaggc ttttggaaga gttagaagaa tttggaagg</pre>	60 120 180 240 299
<210> 519 <211> 464 <212> DNA <213> Homo sapien	
<220> <221> misc_feature <222> (1)(464) <223> n = A,T,C or G	
cacacacc ggaggaaaac tcggtaaagc agaatgaggt tgatatgttg aatgtatttg attttgaaaa ggctgggaat tcagaaccaa atgaattaaa aaatgaaagt gaagtaacaa ttcagcagga acgtcaacaa taccaaaagg ctttggatat gttattgtcg gcaccaaaagg atgagaacga gatattccct tcaccaactg aatttttcat gcctatttat aaatcaaagc attcagaagg ggttataatt caacaggtga atgatgaaac aaatcttgaa acttcaactt tggatgaaaa tcatccaggt atttcataca gtttaacaga tcgggaaact tctgtgaatg tcattgaagg tgatagtgac cctgaaaagg ttgagattc aaatggatta tgtggtctta acacatcacc ctcccaatct gttcagttct ccagngtcaa aggc	60 120 180 240 300 360 420 464
<210> 520 <211> 221 <212> DNA <213> Homo sapien	
<pre><400> 520 ctgatatcta cttatttaac acaagtctct aatacaatac</pre>	60 120 180 221
<210> 521 <211> 312 <212> DNA	

```
<213> Homo sapien
      <220>
      <221> misc feature
      <222> (1)...(312)
      <223> n = A, T, C or G
      <400> 521
ctgatagett tetettegee tagattaata tettetnnet teecatteae ageeceeace
                                                                         60
gacatcaaag ctttgctgtt ttatctgtca aaaatgtctt cacacttttc attcttaaat
                                                                        120
aaaagtgctg agtaaggaca ttttcacaac aaatttttat tttacaaaac ttacaatgat
                                                                        180
ttgaatccaa aacaactttc attatttaac tgtaaagtaa atatatattt tattaggngt
                                                                        240
gtcttagttc attttgtgct gctttaacag tgtatccttg tgatagttgt ggggtggggg
                                                                        300
                                                                        312
aggggggaag ga
      <210> 522
      <211> 336
      <212> DNA
      <213> Homo sapien
      <400> 522
ccttctttcc ccactcaatt cttcctgccc tgttattaat taagatatct tcagcttgta
                                                                         60
gtcagaccca atcagaatca cagaaaaatc ctgcctaagg caaagaaata taagacaaga
                                                                        120
ctatgatatc aatgaatgtg ggttaagtaa tagatttcca gctaaattgg tctaaaaaag
                                                                        180
                                                                        240
aatattaagt gtggacagac ctatttcaaa ggagcttaat tgatctcact tgttttagtt
                                                                        300
ctgatccagg gagatcaccc ctctaattat ttctgaactt ggttaataaa agtttataag
                                                                        336
atttttatga agcagccact gtatgatatt tttaag
      <210> 523
      <211> 172
      <212> DNA
      <213> Homo sapien
      <220>
      <221> misc_feature
      <222> (1)...(172)
      <223> n = A, T, C \text{ or } G
      <400> 523
ngacnggcnc ntggctatgt ntatagatag ggctttaacc actatctgng aagcangagn
                                                                         60
gacannattc ttgctctcac atnccacngg anacgtattt ctcttctctt acnagcgaag
                                                                        120
aaccatctnt ttctaaagcc cccattctat tgcccttgct tttctctggc tt
                                                                        172
      <210> 524
      <211> 471
      <212> DNA
      <213> Homo sapien
      <400> 524
ccagacctgc agaaaaactt agcacagctc aatctgctgt tttgatggct acagggttta
                                                                          60
tttggtcaag atactcactt gtaactattc caaaaaattg gagtctgttt gctgttaatt
                                                                         120
tctttgtggg ggcagcagga gcctctcagc tttttcgtat ttggagatat aaccaagaac
                                                                         180
                                                                         240
taaaagctaa agcacacaaa taaaagagtt cctgatcacc tgaacaatct agatgtggac
aaaaccattg ggacctagtt tattatttgg ttattgataa agcaaagcta actgtgtgtt
                                                                         300
```

tagaaggcac tgtaactggt agctagttct tgattcaata agaaaaatgc agcaaacttt taataacagt ctctctacat gacttaagga acttatctat ggatattagt aacatttttc taccatttgt ccgtaataaa ccatacttgc tcaaaaaaaa aaaaaacctt c	360 420 471
<210> 525 <211> 332 <212> DNA <213> Homo sapien	
<220> <221> misc_feature <222> (1)(332) <223> n = A,T,C or G	
<pre><400> 525 cccnctgta ttccagcctg ggtgacccca tctcanggaa gaaaagttac cagatgtcgn gggtaaaggt tggtcttcaa gtggcctcat aagttgtctt gcatttaaat tcagggaatt cattggacca ataggttaca ttttcgttcc ttttttgttt tggttcatct gtaaagcagt gggggcctaa ttactgctcc tttgtaaaaa cacattttcc caaagaacac tgaattaccg ttcaaactgg ttgttgatgg gtaataaggg ctgtttttgc tgccccaaaa gggcttaaca atttaggcgg atagtttact taaaaaaaaa aa</pre>	60 120 180 240 300 332
<210> 526 <211> 440 <212> DNA <213> Homo sapien	
<220>	
<221> misc_feature <222> (1)(440) <223> n = A,T,C or G	
<221> misc_feature <222> (1)(440) <223> n = A,T,C or G	
<pre><221> misc_feature <222> (1)(440) <223> n = A,T,C or G <400> 526 ccaggttacc tcccctaaca gatgtggtgt tctgangggt tggttaagtg cccgaggaaa</pre>	60
<pre></pre>	120
<pre></pre>	
<pre></pre>	120 180 240 300
<pre><221> misc_feature</pre>	120 180 240 300 360
<pre></pre>	120 180 240 300
<pre></pre>	120 180 240 300 360 420
<pre><221> misc_feature</pre>	120 180 240 300 360 420
<pre></pre>	120 180 240 300 360 420
<pre></pre>	120 180 240 300 360 420
<pre></pre>	120 180 240 300 360 420

ttgccccctt tttgaggact taaatgttag acctaagacc ataaaaaccc tagaagaaaa	120 124
<210> 528 <211> 162 <212> DNA <213> Homo sapien	
<220> <221> misc_feature <222> (1)(162) <223> n = A,T,C or G	
<400> 528 ctgcgggaga aatatgggga caagatgttg cgcangcaga aaggtgaccc acaagtctat gaagaacttt tcagttactc ctgccccaag ttcctgtcgc ctgtagtgcc caactatgat aatgtgcacc ccaactacca caaagagccc ttcctgcagc ag	60 120 162
<210> 529 <211> 409 <212> DNA <213> Homo sapien	
<220> <221> misc_feature <222> (1)(409) <223> n = A,T,C or G	
<pre><400> 529 cctttaaaat atagcttata aaatgtatac tatnngccag gagagctcac attttctgc agttttccag tggacctgcc tatggaatac tgtaaagaaa aatctgcaaa aatattccta gcaattgaat cagtgctttt aaataaaaga agtggagagg ggcttggtta aattattctg acaagttttc ttgctagtgg ttgccaaaat taaggatatt tgaagtgtcc tatcacccaa atttggcttt aagaaaaagc tatattctgn gtctataggg tgaagcccac actatctgtg ctgcattctc aatgatacaa tacctatctg gaaactttcc tgttttgcca atgggtgcac aaatctaaaa cattttatca caaaaggtac ttgaatttaa atttctttt</pre>	60 120 180 240 300 360 409
<210> 530 <211> 325 <212> DNA <213> Homo sapien	
<220> <221> misc_feature <222> (1)(325) <223> n = A,T,C or G	
<pre><400> 530 ccgccagtgt gatggatatc tgcagaattc gccctttcna gatttgngcc cgggcaggtc catggctagg attatagata gttgggtggt tggggnaaat gagtgaggca ggagtccgag gaggttagtt gtggcaataa aaatgattaa ggatactagt ataagagatc aggttcgtcc tttagtgttg tgtatggcta tcatttgttt tgaggttagt ttgattagtc attgttgggt ggtaattagt cggntgttga tganatattt ggaggtggg atcaatagag ggggaaatag aatgatcagt actgcggcgg gtagg</pre>	60 120 180 240 300 325

<211> 334

```
<210> 531
      <211> 173
      <212> DNA
      <213> Homo sapien
      <220>
      <221> misc feature
      <222> (1)...(173)
      <223> n = A, T, C \text{ or } G
      <400> 531
ccaattgatt tgatggtaag ggagggatcg ttgaccncgt ctgttatgta aaggatgcgt
                                                                          60
agggatggga gggcgatgag gactaggatg atggcgggca ggatagttca gacggtttct
                                                                         120
atttcctgag cgtctgagat gttagtatta gttagttttg ttgtgagtgt tag
                                                                         173
      <210> 532
      <211> 395
      <212> DNA
      <213> Homo sapien
      <220>
      <221> misc feature
      <222> (1)...(395)
      <223> n = A, T, C \text{ or } G
      <400> 532
                                                                           60
caggtcctac tatgggtgtt aaatttttta ctctctctac ngggtttttt cctagtgtcc
aaagagctgt tcctctttgg actaacagtt aaatttacaa ggggatttag agggttctgt
                                                                          120
gggcaaattt aaagttgaac taagatteta tettggacaa eeagetatea eeaggetegg
                                                                          180
                                                                          240
taggtttgtc gcctctacct ataaatcttc ccactatttt gctacataga cgggtgtgct
cttttagctg ttcttaggta gctcgtctgg tttcgggggt cttagctttg gctctccttg
                                                                          300
caaagttatt tctagttaat tcattatgca naaggtatag gggntagtcc ttgctatatt
                                                                          360
                                                                          395
atgcttggnt ataatttttc atctttccct tgcgg
      <210> 533
      <211> 290
      <212> DNA
      <213> Homo sapien
      <220>
      <221> misc_feature
      <222> (1)...(290)
      \langle 223 \rangle n = A,T,C or G
      <400> 533
ctgaaccatt atgggataaa ctggtgcaaa ttctttgcct tctctacttc tcactgattg
                                                                           60
aacataagct tccagggctc ccctgaaaac caaaatgaaa acaatgtcaa aatattagat
                                                                          120
aaatcacata aaacagttaa ggggatacca atatataaaa attattaggt aagctcattt
                                                                          180
                                                                          240
ctggaactgt taatgctcgg tttcacaatc caagnngacc aacagccttc actcagntac
tggnagtgnt actatggtta ctacngntac tacctttagt gtnaaaaact
                                                                          290
       <210> 534
```

```
<212> DNA
      <213> Homo sapien
      <220>
      <221> misc feature
      <222> (1)...(334)
      <223> n = A,T,C or G
      <400> 534
                                                                        60
ccgccagtgt gatggatatc tgcagaattc gcccttagcg agnnagccgg gcaggtccat
ggctaggttt atagatagtt gggtggttgg tggggnatga gtgaggcagg agtccgagga
                                                                        120
                                                                        180
ggttantttg tggcaataaa aatgattaag gatactagta taagagatca ggttcgtcct
                                                                        240
ttagtgttgc gtatggctat catttgtttt gagggtagnt tgattagnca ttgttgggng
gtaattantc ggctgttgat ganatatttg gaggtgggga tcaatanagg gggaaatana
                                                                        300
                                                                        334
atgatcagtn ctgcggcngg tnngacctcn gccc
      <210> 535
      <211> 557
      <212> DNA
      <213> Homo sapien
      <220>
      <221> misc_feature
      <222> (1)...(557)
      <223> n = A,T,C or G
      <400> 535
                                                                         60
nccataagct tcagtgcgca aaaggtcaag gccagtgtta atttgttatt tcttaaataa
                                                                        120
ctttcccttt catttttaaa ttataaattt aacttctaac atgttttatg gttaaaattg
tacttttttc ctttagcgac attcaaatgc atcacaatca ctttgtgaaa ttgttcgcct
                                                                        180
gagcagagac cagatgttac aaattcagaa cagtacagag cccgaccccc tgcttgccac
                                                                        240
                                                                        300
tctagaaaag tatgtgtaaa actctgttct tgttcttctt tcatattgat gctgttccat
gtgttaccat tgtgagtggt tggtaagtgt teettatgtg ggaateatgt geettgaaaa
                                                                        360
taaccttggg tgggtgagaa ggtagggaaa cctgcttctt ttatctcaag taaaagtttt
                                                                        420
ggcagggtaa agaagataaa tgacatttat atctagactt ttgagttttc caattatttg
                                                                        480
                                                                        540
gtaaaaatgg gaaattctgt agaagccctt ccttaaaaat gggggaagtc catttnanaa
                                                                        557
aattaactgg taggtca
      <210> 536
      <211> 372
      <212> DNA
      <213> Homo sapien
      <220>
      <221> misc feature
      <222> (1)...(372)
      <223> n = A, T, C or G
      <400> 536
gttccaacct tcatttctga aactgttcta gagcacngtg tctttctcgt agttcataac
                                                                         60
ttaccccttc agtctagaat tagaattaca ttatctgttt tactacttta ctagactgta
                                                                        120
agctcctaga agataaggac tagggagttc atctctgtat tccaccagaa ggtacagtga
                                                                        180
ctcatatcta gagtctttag atgaaactta ctgagttgaa taacttaata tatttctgtt
                                                                        240
                                                                        300
ttcattccca agggaggcca tgtctggaga tagaccttga atttaataaa ttttaggcac
```

tataccattt cagtggagaa aattgttggg ggaagtcact gg	aaatttgggg	ggatggatat	ataaggggga	360 372
<210> 537 <211> 284 <212> DNA <213> Homo sapien				
<220> <221> misc_feature <222> (1)(284) <223> n = A,T,C or G				
<pre><400> 537 ccttctgatg caaacagaaa ggaaatgttg atgggaaaat tttttttgggg aaatgctgag attgatacac atgctagatt gagagaattc actttagtgg ttcaatccaa agaaacactg ttctctcaga taccaaacaa tgggttaccc</pre>	acgctcaagc tggatgcgtt gatactttgg	atgagccaag actactcttc aaaagtgggt	aaagaataat tcattacatg	60 120 180 240 284
<210> 538 <211> 293 <212> DNA <213> Homo sapien				
<pre><400> 538 gtacatagta ggtgtatata tttatgggct gtgaaacaag cacatcaaca agaatggggt ctacatgtca tttcctaatg taaagaaaat ggtgaaaaag tccatttgag ttgggagcag acagtgtaaa aaggcttcac aggggaacat</pre>	atccatcccc ggacagacag gggttgtgtt	taaaacattt aaccaacatt cctggatttg	gtcctttggg gatttgactg ggttgttagg	60 120 180 240 293
<210> 539 <211> 468 <212> DNA <213> Homo sapien				
<220> <221> misc_feature <222> (1)(468) <223> n = A,T,C or G				
<pre></pre>	cacatgcaca ctgacgaacc aattttcaaa tataaattta catgaaaaga taaacaacta	gccttccca tacatatcat tacagaaatt attattattt ctatcaaata cctgcattcc	ttatcaatag tatcacccaa cctctaccag cagaaattag cacaaggaag	60 120 180 240 300 360 420 468
<210> 540 <211> 397				

<212> DNA <213> Homo sapien <220> <221> misc feature <222> (1)...(397) <223> n = A,T,C or G <400> 540 60 ctgttttatt aattccccca tttgcagcac acttntctct tccaacattc atcagtcaga tcagagtcca cggtcttttc aaaatttaga taaactggct tacattttgt aatgatgtcc 120 ccagacaaca ccccactcca acccattctg tttgttacta ttagtttaca acatgcatgt 180 gcctttactt tcattttcat agtatttaaa aatggaaggg cactcccaaa tttactttaa 240 300 cccctttaat aatctctctc ctcctgctct ctctggteet ccagacaact gttgatttac 360 tttcctttat gatggattag tttgcatttt ctagaatttt atatgactga catataaagn 397 ttttatgttt ctcccctttg ggtttcttca tgtggca <210> 541 <211> 248 <212> DNA <213> Homo sapien <400> 541 cctagatagg ggattgtgcg gtgtgtgatg ctagggtaga atccgagtat gttggagaaa 60 taaaatgtgc atagtggggg ttttatttta agtttgttgg ttaggtagtt gaggtctagg 120 gctgttagaa gtcctaggaa agtgacagcg agggctgtga gttttaggtg gagggggatt 180 gttgtttgga agggggatgc gggggaaatg ttgttagcaa tgagaaatcc tgcgaatagg 240 248 cttccggc <210> 542 <211> 366 <212> DNA <213> Homo sapien <220> <221> misc feature <222> (1)...(366) <223> n = A,T,C or G<400> 542 aatcggccct ctagatgcat gctcgagcgg ccgccagtgt gatggatatc tgcagaattc 60 gcccttgagc gatancgcgg gcaggtccaa ttgatttgat ggtaagggag ggatcgttga 120 ccncgtctgt tatgtaaagg atgcgtaggg atgggagggc gatgaggact aggatgatgg 180 cgggcaggat agttcagacg gtttctattt cctgagcgtc tgagatgtta gtattagtta 240 300 gttttgttgt gagtgttagg aaaagggcat acaggactag gaagcagata aggaaaatga 360 ctatgagggc gtgatcatga aaggtgataa gctcttctat gataggggaa gtagcgtctt 366 gtanac <210> 543 <211> 460 <212> DNA <213> Homo sapien <400> 543

cctactatgg gtgttaaatt ttttactctc tctacaaggt tttttcctag tgtccaaaga gctgttcctc tttggactaa cagttaaatt tacaagggga tttagagggt tctgtgggca aatttaaagt tgaactaaga ttctatcttg ggcaaccagc tatcaccagg ctcggtaggt ttgtcgcctc tacctataaa tcttcccact attttgctac atagacgggt gtgctctttt agctgttctt aggtagctcg tctggtttcg ggggtcttag ctttggetct ccttgcaaag ttattctag ttaattcatt atgcagaagg tataggggt agtccttgct atattatgct tggttataat ttttcatctt tcccttgcgg tactatatct attgcgccag gtttcaattt	60 120 180 240 300 360 420
ctatcgccta tactttattt gggtaaatgg tttggctaag	460
<210> 544 <211> 116 <212> DNA <213> Homo sapien	
<220> <221> misc_feature <222> (1)(116) <223> n = A,T,C or G	
<400> 544 ccgccagtgt gatggatatc tgcagaattc gccctttgga gngctngcgc ccgggcaggt ctgtttcagc agctcctcct tcttcttccc gcgangatct cgagccttga tcttgg	60 116
<210> 545 <211> 380 <212> DNA <213> Homo sapien	
<220> <221> misc_feature <222> (1)(380) <223> n = A,T,C or G	
cgacggatcg atnagctnga tatcgaattc ggacgagcat ggcgtattgc tgcagatatg gattcttcag aatgctccat gacaaatgta ctgacgggaa gncnatctaa aggaggcatt gtnatgagag aaaggtctcg agctccagat aaagagagat acagagttct tggaattgga gttgcagaaa cagtaagaca atcgattgtg gggaagcgtt ctttaagaga atctttggcc ttcactccaa agcgttgttc ttcatcaata ataagtagct cgtgccgaat tcctgcagcc cgggggatcc actagttcta gagcggccgc caccgcggag gagctccagc ttttgttccc tttagtgag gttaatttcg	60 120 180 240 300 360 380
<210> 546 <211> 418 <212> DNA <213> Homo sapien	
<400> 546 ccagggcaat taggcaggag aaggaaataa agggtattca attaggaaaa gaggaagtca aattgtccct gtttgcggat gacatgattg tatatctaga aaaccccatt gtctcagccc aaaatctcct taagctgata agcaacttca gcaaagtttc aggatacaaa atcaatgtac aacacccatt cacaattgct tcagagaata acagaccaac agagagccaa attatgagtg aactcccatt cacaattgct tcagagaata aaatacctgg gaatccaact tacaagggat gtgaaggacc tcttcaagga gaactacaaa ccactgctca aggaaataaa agaggataca	60 120 180 240 300 360

aacaaatgga agaacattcc atgctcatgg gtaggaagaa tcaatatcat gaaa	atgg 418
<210> 547 <211> 172 <212> DNA <213> Homo sapien	
<pre><400> 547 cctgaggttg ggagaaattt tgtccatttc tttagaacca aaattggcaa ccag tttggatgtt acacaaaata tctagtttcc ctttctagcc taaattgggt tgtt acccgtctct ccatttgaga aaaatggtta ggatgctggt gcagggatga gg</pre>	agagta 60 tatagc 120 172
<210> 548 <211> 367 <212> DNA <213> Homo sapien	
<220> <221> misc_feature <222> (1)(367) <223> n = A,T,C or G	
<400> 548 ggtctgactt aagagaaaca atggaaggca agaggcagta gaataatata ttca gcaaaggaaa aaaacctctc agccacgaat tccttatcca gcaattattt ttca aaaataacac aaagacttag ccagataaac agaaacatta actgaagttg ttgc acctaccata taaaaataaa aaactctaaa aaaattccta tggctaaaag caag aagacagtca cttgaatcca cattttaaaa aaagcactga tatacgtaat attg taaaagacag taaaaatgca tttcttcttt ataataaatn gcttattaaa taac ataatgg	tagaaatg 120 stggcag 180 gttacag 240 gacatta 300
<210> 549 <211> 418 <212> DNA <213> Homo sapien	
<400> 549 ccaaatcaga acctagagtg agcattctat aaactcacct ttgctttgat ccttcacaagtttt gatactgttg aaatctctac tctttcaaca ctttaattaa atgggaatttcata tacttctgtt gttgtttcca caatcttaaa ctggatttag aaatgtaaatg caagagcttt aacttagtaa ccgtatttcc tattttttgt tgtttgccagaat ttctgtttgt ctacaataaa gtccagcgaa atacagtatt tggtacttgttaac ataaaatttt atcatttgta gagtttttac ttaaccttcc tatttctctataat ctttcaatga agataaccag ttacgaatat ctcctatacc atat	gcattta 120 tacttat 180 ttttctt 240 ttaggtt 300 tctctag 360
<210> 550 <211> 234 <212> DNA <213> Homo sapien	
<220> <221> misc_feature <222> (1)(234) <223> n = A,T,C or G	

<pre><400> 550 cctacccgcc gcagnactga tcattctatt tccccctcta ttgatcccca cctccaaata tctcatcaac aaccgactaa ttaccaccca acactcacaa caaaactaac taatactaac atctcagacg ctcaggaaat agaaaccgtc tgaactatcc tgcccgccat catcctagtc ctcatcgccc tcccatccct acgcatcctt tacataacag acgaggtcaa cgat</pre>	60 120 180 234
<210> 551 <211> 542 <212> DNA <213> Homo sapien	
<220> <221> misc_feature <222> (1)(542) <223> n = A,T,C or G	
caccectace cenntectea taaaagttne tetecetga teetetttt cecteatgag tgeecggttg eccaagteaa aaacetggga gtgatataaa eteeceacae ateeagteag teaeteatea aetetattga ttetgtetge taaatatatn teaattgtat taaeettaage atatgeatan ggeaetttet teeteactge attettgtgg getgeaetta eettteaggt aacgacaaca etggeeeete ttgeeettet agteagaagt gecaaaatga tgagagetag ecatgacaaa eccacageea acattacaet gaatgtgeaa aactggaagg geateeaaae agaggagggg agagaggaat agacaggaag teaaaetgte tetgttaca gatgacatgt teetatatet ataaageeee atagtettgg ecceaaaget teetettgetg ataaaettta geaaagtett ageatacaaa ateaatgtge aaaaattaet aacagteeta taeateaagt eacateaagt eacateaagt eacateaagt eacateagt ecceaaaget teetetgetg ataaaettta geaaagteet ageatacaaa ateaatgtge aaaaattaet aacagteeta taeateaagt eacateaagt	60 120 180 240 300 360 420 480 540
<210> 552 <211> 411 <212> DNA <213> Homo sapien	
<220> <221> misc_feature <222> (1)(411) <223> n = A,T,C or G	
<pre><400> 552 cctggntgac aaggaggtgc ctgtnatgtg aagatttgag gaaagagcat tccaggcagg gggaaggctt gatgcaaagg gtctactgca ggcattagct gagcttattt aaagatcaga atgaaggcca ttgtggctag aacagagtgg acaggaagga atggtaccag gcaaagctga agaagttggc aggattgagc tctcataant catggcaaag agttcccatt tcattgtttg acggaaataa attggaaggt cttaagtagg agaagatttg attagattta cattttacga agaagcactc tggatgttat gtgaagaaat ggcctttgca gggcaagggt ggaaacaaag agatcagtta ggaaattatt ggagtagctg aggattggat gaggggatgt</pre>	60 120 180 240 300 360 411
<210> 553 <211> 631 <212> DNA <213> Homo sapien	
<220>	

<212> DNA

<213> Homo sapien

<221> misc feature <222> (1)...(631) <223> n = A, T, C or G<400> 553 ccgggattag aactaaaaca agtgagatca cccctctaat tatttctgaa cttggttaat 60 aaaagtttat aagattttta tgaagcagcc actgtatgat attttaagca aatatgttat 120 180 ttaaaatatt gatccttccc ttggaccacc ttcatgttag ttgggtatta taaataagag atacaaccat gaatatatta tgtttataca aaatcaatct gaacacaatt cataaagatt 240 300 totottttat accttoctca otggococot coacctgoco atagtoacca aattotgttt 360 taaatcaatg acctaagatc aacaatgaag tattttataa atgtatttat gctgctagac tgtgggtcaa atgtttccat tttcaaatta tttanaattc ttatgagttt aaaatttgta 420 aatttctaaa tccaatcatg taaaatgaaa ctgttgctcc attggagtag tctcccacct 480 540 aaatatcaag atggctatat gctaaaaaga gaaaatatgg tcaagtctaa aatggctaat tgtcctatga tgctattatc atagactaac gacntttatc ttcaaaacac caaattgtct 600 631 ttagaaaaat taatgtgatt acaggtagag g <210> 554 <211> 558 <212> DNA <213> Homo sapien <220> <221> misc_feature <222> (1)...(558) <223> n = A,T,C or G <400> 554 ccaggntagt ctccaactcc tgaccttagc tgatccaccc acctcggcct cccaaagtgc 60 tgggattaca ggcatgagcc actgcgcccg gccaaacttg atatgcattt ttaaataagt 120 taatacatta ttcatggttt agtctcatta tatattctat ggtccacttt gaaatttcat 180 ctaaccaaaa tcatcttcat cctgcaattt gaggtttgga cacaatgggg attgatcagt 240 aatttettea tatgeeettt eteaaggaaa tagttteeta tgaaaaaaaa gteetatgtt 300 ttcatgtaag ttctcttttt ggagaagaaa aggagacatt cttacttagc actctcagtt 360 420 ttacaaaacg ctgccaacct taaaatttgt ctattgattc ccaaggcaca caaccaatag totgtoaata accoggaata acatttottt aaggooccag taactttoac atgtttgggt 480 tccaatcctc acctagaatc ttgttaagaa aagtaaacca ttcactcctc tagaaactct 540 558 aaggttgctt cttagggg <210> 555 <211> 212 <212> DNA <213> Homo sapien <400> 555 ccaggtattt gcataatggc ttttcttctg ttgcctttgt tcctttgtgg ccccagctaa 60 ttgcctgaga gtgccactgt tagttttcaa ctctttctga tagaaaccct gtgtactaac 120 atggaaatct taggtaatct gctttttcaa agcacaatgc agaatttatt ggcggtggtg 180 212 taactttaaq aatatccgag aagccaccaa gg <210> 556 <211> 219

<211> 488

```
<220>
      <221> misc feature
      <222> (1)...(219)
      <223> n = A,T,C or G
      <400> 556
                                                                         60
ccatgtgtct atctggagag aaggggaaac agcaagtgca aaggccctga gatggaacat
                                                                        120
atctggagaa ttcgaagaat ggtaagaagg ccagagtgga gcagaacaag tgtgggagag
agttgtagga gatgagatca aaggctagga atgaagtgta aggccatgtc atgtgacctt
                                                                        180
                                                                        219
gtatgtcctt gtaaggcttt ttttttttt tttnancct
      <210> 557
      <211> 482
      <212> DNA
      <213> Homo sapien
      <400> 557
cctactatgg gtgttaaatt ttttactctc tctacaaggt tttttcctag tgtccaaaga
                                                                         60
gctgttcctc tttggactaa cagttaaatt tacaagggga tttagagggt tctgtgggca
                                                                        120
aatttaaagt tgaactaaga ttctatcttg gacaaccagc tatcaccagg ctcggtaggt
                                                                        180
                                                                        240
ttgtcgcctc tacctataaa tcttcccact attttgctac atagacgggt gtgctctttt
agetgttett aggtageteg tetggttteg ggggtettag etttggetet eettgeaaag
                                                                        300
ttatttctag ttaattcatt atgcagaagg tataggggtt agtccttgct atattatgct
                                                                        360
tggttataat ttttcatctt tcccttgcgg tactatatct attgcgccag gtttcaattt
                                                                        420
ccatcgccta tactttattt gggtaaatgg tttggctaag gttgtctggt agtaaggtgg
                                                                        480
                                                                        482
      <210> 558
      <211> 679
      <212> DNA
      <213> Homo sapien
      <220>
      <221> misc_feature
      <222> (1)...(679)
      \langle 223 \rangle n = A,T,C or G
      <400> 558
ctgtnaaaat tctgaaccta tccccaaaag aaaaaccgtg aaatacaagt tttaggaggt
                                                                         60
                                                                        120
ggagcaaaga aaagccaagt tatttaaaac caataaacac aagagacaat tctgctggag
aatttacttt ctccaaaaca tcaaatggac tttaaagcag aagaccacat tttatgagaa
                                                                        180
                                                                        240
agttatgtca ctgaaaagct tcatgtaaag tgactttgta aatggaatat ttttaaatga
                                                                        300
taaaaagaaa ataacttttc caggaatcct ttggagaggc tgataaccag atattaaatt
atcaattttg ccaaagtgga cttttaaaaa atgtgttact tttaaaaact aacttgaaag
                                                                        360
                                                                         420
aatttatgag gcaatctatc tgagtatgtt tattgttgct ccattggctt tcaggatttt
                                                                         480
ggtcatttca ctgttaactc ttacatcaga gaataaagaa aagaaaatga aactttgtta
                                                                         540
ggaactggga tggaaaatgt agtcccagac agatctactg acctcgactg agtttcagaa
                                                                         600
atatcccagg attttggtta ttcatgcctt tcttttgtga ctttctttca aattagccaa
                                                                         660
ttaaagatac cccttcaatc accggtgaca tcagtacaac agtttttcaa cagttttctc
                                                                         679
tctcctgacc aaacagttt
      <210> 559
```

```
<212> DNA
      <213> Homo sapien
      <220>
      <221> misc feature
      <222> (1)...(488)
      <223> n = A, T, C \text{ or } G
      <400> 559
                                                                         60
ccccactgta ctccagcctg ggtgacccca tctcaaagaa gaaaagttac cagatgtcat
gggtaaaggt tggtcttcaa gtggcctcat aagttgtctt gcatttaaat tcagggaatt
                                                                        120
cattggacca ataggttaca ttttcgttcc ttttttgttt tggttcatct gttaagcagt
                                                                        180
gggggcctaa ttactgctcc tttgtaaaaa cacattttcc caaagaacac tgaattaccg
                                                                        240
ttcaaactgg ttgttgatgg gtaacaaggg ctgtttttgc tgccccaaaa gggcttaaca
                                                                        300
atttaggcgg atagtttact taaaaaaaaa aatcctttgg agacatactg aaaatgcaaa
                                                                        360
ctagtttcta aattatcaat teeetacatg aanaageagt ttgecanagt ttagtetean
                                                                        420
aaaatgactg gttggctcta tttaaatcan aacccaattt ctacgcacct gcccgcccgg
                                                                        480
                                                                        488
ccaagggc
      <210> 560
      <211> 602
      <212> DNA
      <213> Homo sapien
      <220>
      <221> misc feature
      <222> (1)...(602)
      <223> n = A, T, C \text{ or } G
      <400> 560
cctanttaag aattccttgc cttagtggtg aacaaggact aaacacagac aatgggtgaa
                                                                         60
acacagacgc taattcacat aacagagagt aggcaacctt aagaatgaat tgatgcagac
                                                                        120
teetatagaa tteetetgtt atgaetgggt tettatttte teeteettgt atgtagttga
                                                                        180
aatttcatca ttatgaatag ttccttggat ctttttttaa agttgtgaat gcgagtgttt
                                                                        240
ggctttgtaa tacaactttt tagtatccag aagataacca gtgctctacc aataaagatc
                                                                        300
                                                                        360
ttttgataca aagggtttta acttctgcca gttcttactc attttttca ggttttttat
acatttetta aacaacacat acattatgta aaatataaga attaatgtae atteteaagg
                                                                        420
ccagattcag tgacaaaatg cactacccga atctagtaac acatttactc cttgctgcat
                                                                         480
ataagtggcg tgtaagaaat acagggtata ttgttttgtg atccatgcag taaatgttca
                                                                         540
caaatatcag gcaaacaact agacgntctt cagctactaa aattaactgt cccagtcaca
                                                                         600
                                                                         602
aa
      <210> 561
      <211> 683
      <212> DNA
      <213> Homo sapien
      <400> 561
gtctattttt aaaaagaaag aaaaaaacca cttttttata gtccctagct ttgccatatg
                                                                         60
cccgccttaa gtggaaggaa agttaatcac ttaactatgt tttataaaaa gaaaaaaggg
                                                                         120
cttggaatgc tattactgtt cacacaaagt atgattctgt ttgaataagg caaatgctcc
                                                                         180
                                                                         240
tttttttaaa aaaagacatt actgtaatat caaaaaccgt ggcagtttgt atacaactct
gggcttgatt ttttttaaaa aaacagaatg aattgatgtc ttattttata aatgttctat
                                                                         300
                                                                         360
atttattagg agaaaacttt atattgcctt ttttatcaat catgtaacag gcttatagct
```

ttccaacaga gctgcttgcc aaacaatttt ttttgtttat taaacagtgc tgaaacaaac aggatcagca tttacttaag atgttaagaa tgaggacttt taatcagccg aaccaagata ttgttacctg tatgcattcc caaagtctag atgctcagta tgttcagtca tatctttcag aatcagtgaa ccgattaccc tttttttggt attcactcta catctgccaa cctagttcac cttggttttg tgtctgctgt agaagggaac cataacttgg ttaaaccgta gggattatca ttgtatacat gctgtgaaca tgt	420 480 540 600 660 683
<210> 562 <211> 420 <212> DNA <213> Homo sapien	
<pre><400> 562 gcacttttt tccagtaagg attcatctct tgctctccta tatggtcatt atattttata ttttacatat ttataaacat gacatatgta tttatgttcc acaaagggct ttgaatagaa tttacacata gagttccctg ggttgatgtg tttatcaaaa tggaagataa agtgaattaa ttacttaaat atttaacact attgaataga aataatttcc ccaatattgc ttcatgattt agacagtcta ttaaatgttt aagcaaggca ctagactaag tttattaaga caaattttgg aatatgtgca gaaatatgac ctggctaata gtacagagtc aaagctggtt gaatggtgtt atatagtgga ttcagattga tgtggcagtg gtggttacac taggggcact aaggttatcc</pre>	60 120 180 240 300 360 420
<210> 563 <211> 482 <212> DNA <213> Homo sapien	
ctccacctta ctaccagaca accttagcca aaccatttac ccaaataaag tatagggat agaaattgaa acctggcga atagatatag taccgcaagg gaaagatgaa aaattataac caagcataat atagcaagga ctaaccecta taccttctgc ataatgaatt aactagaaat agctaagacc cccgaaacca gacgagctac ctaagaacag ctaaaagagc acaccegtct atgtagcaaa atagtgggaa gatttatagg tagaggcgac aaacctaccg ggcctggtga tagctggttg tccaagatag aatcttagtt caactttaac tttgccaca gaaccetcta aatccccttg taaatttaac tgttagtcca aagaggaaca gg	60 120 180 240 300 360 420 480 482
<210> 564 <211> 302 <212> DNA <213> Homo sapien	
<400> 564 ctggaagtga aggtactaat atacaaatgg ctcttgtttc tgaatatgtg atataatttg tgaatctttg gaaactgaat tttttctatg gagtgcaaat atagaagggt tattttacaa tgtttgttgt gaaaagaatt cactttgtaa acaactatta aggctggaag tttagtgaag gtgcatagtt ttgaaagcta cacaggtgaa aaatcaaact tattgtttgt aattttgctg ttacatgtta agttactttg acagcaattt tctaatgata atgtgattta tgatttaaaa gg	60 120 180 240 300 302
<210> 565 <211> 554 <212> DNA <213> Homo sapien	

```
<220>
      <221> misc feature
      <222> (1) ... (554)
      <223> n = A, T, C \text{ or } G
      <400> 565
ccanngtgac atcatggcaa tacagcaaga attctgnnat ttatttagaa gcctcaagga
                                                                         60
gaaggateet ggageeeetg aatgagagtt tetteteeat geeteteeee agteaaaata
                                                                         120
catggaaata ttcatagaag cattgtaccc agcatgataa ggaaggatgg agaatggttc
                                                                         180
cttatatctc tgttcacaag acatcaacac tcttaagtaa ctgtatgaaa taaattctct
                                                                         240
gctgaaagca aataaaccat ctgaaaggtc ttctggttac ttacacagat ttcctagaga
                                                                         300
atctgaaatc agcctaacag ggaagattaa tttttaaatg aatccaagtt aatgaaagca
                                                                         360
aagaactett atacagaaat acatttteet attataaage aggaetaeet teeetaattt
                                                                         420
ctgatagacc taggacaatt tgaatgggca ttgaaattct tttggttgaa ttacgcaaac
                                                                         480
aagcaaagga aaagtctcaa ttattattgg aaaatttggg gagagattat tatctcttga
                                                                         540
                                                                         554
tctcctagtn natt
      <210> 566
      <211> 631
      <212> DNA
      <213> Homo sapien
      <220>
      <221> misc_feature
      <222> (1)...(631)
      <223> n = A, T, C or G
      <400> 566
ncgaagetgt gaanneatte acaeggaate tgganggtat taetgtaaet tettataata
                                                                          60
cataatataa aagtttttga aagatataga cacaattaac ccctaaacaa cacactatct
                                                                         120
gatteteaaa ageaatgget atttaacaag atgtaaaagg acaataacat ateaaagaae
                                                                         180
tttcacacac ctaaagatag catttagcag caagttagtc agacaaaaca aacataaata
                                                                         240
tottoacatt tootatgttt gtttttaact ttacttoata aagcoactga taattgaggt
                                                                         300
ttctttcaag tataagattt ctaaaattaa aaactgtttt tgacatattt ttataaagaa
                                                                         360
ataaaaagca aaacgcaatc caactattta tatgagtccc tcttctccaa cagctttaga
                                                                         420
tgtttttctg agtacttttt acacagaata tttttattaa aatcagttct aattcattta
                                                                         480
tgcagattag gggaaaatga ttcataataa attaacttta aaattacctt ctatctgctt
                                                                         540
ctacctctat ccccccatca ccaccaaatc tgttgctaca gtgaactgta gccaatgtct
                                                                         600
                                                                         631
gtttgagggg gcccaaagca tctggtaatc t
      <210> 567
      <211> 510
      <212> DNA
      <213> Homo sapien
      <220>
      <221> misc feature
      <222> (1)...(510)
      \langle 223 \rangle n = A,T,C or G
      <400> 567
cctatnatag cttctctagc tatcatactc caatcagcna aaaatgagaa aatgttgaga
                                                                          60
aatagaagat aatteeteat ttaaggneae ettetanaat ttgtgettaa nantetgttt
                                                                         120
```

tcttctcatg ggccagcact tcggcaactg ggaaaaatta ngngtacagg gatctaggna atactgttta tttgagcaat aatatattgn gctaacgttc aggcatccta ttactgagaa ataagggaaa atgagtgtaa agtacaacta agagtctcgg ctacagggaa aaataccatc agttaaatat ccatagtcct agagcattta tgtaaaactg caatttgaat cctgcaatac attttggct tttcctcagt gataccatgt gtgggaagtt gttctgtcaa ggtgggtcgg ataatttgcc ctggaaagga cggatagtga ctttcctgac atgtaaaaca tttgatcctg aagacacaag tcaagaaata ggcatggtgg	180 240 300 360 420 480 510
<210> 568 <211> 180 <212> DNA <213> Homo sapien	
<220> <221> misc_feature <222> (1)(180) <223> n = A,T,C or G	
<pre><400> 568 ttaatntgac ncacgcttat gcggaggaga atgntttcat gttacttata ctaacattag ttcttctata gggtgataga ttggtccaat tgggtgtgag gagttcagtt atatgtttgg gattttttag gtagtgggtg ttgagcttga acgctttctt aattggtggc tgcttttagg</pre>	60 120 180
<210> 569 <211> 237 <212> DNA <213> Homo sapien	
<400> 569 ccaattgatt tgatggtaag ggagggatcg ttgacctcgt ctgttatgta aaggatgcgt agggatggga ggcgatgag gactaggatg atggcggca ggatagttca gacggtttct attcctgag cgtctgagat gttagtatta gttagttttg ttgtgagtgt caggaaaagg gcatacagga ctaggaagca gataaggaaa atgactatga gggcgtgatc atgaaag	60 120 180 237
<210> 570 <211> 352 <212> DNA <213> Homo sapien	
<pre>ctgtctctcc atttagagcc ccagttggtc ctgacctctt acaaatttgg tgttttcact ttgatgttta tgaaccgatt gcattaaaaa tgcaggataa tgattcaggg ttagagaaac tattatttat acaaatgtgg ttaacacctc atcattttaa attggctgtg ctaataatgc tcattgtgct cttcagggtt atgtgtgtgt gtgtgtgtgt gttttgcctg aatctgcaac ctacatttgc tctggcagta tgttgagtat atgctagaat agaatggacc taggcaactc taaggtccta caactaaata cacttactta ggaaacctcc taaataagta gg</pre>	60 120 180 240 300 352
<210> 571 <211> 402 <212> DNA <213> Homo sapien	
<400> 571 ctgattttaa caataactac tgtgttcctg gcaatagtgt gttctgatta gaaatgacca	60

atattatact aagaaaagat acgactttat tttctggtag atagaaataa atagctatat ccatgtactg tagttttct tcaacatcaa tgttcattgt aatgttactg atcatgcatt gttgaggtgg tctgaatgtt ctgacattaa cagttttcca tgaaaacgtt ttattgtgtt tttaatttat ttattaagat ggattctcag atatttatat ttttatttta	120 180 240 300 360 402
ttattgttcc aagacattgt caataaaagc atttaagttg aa <210> 572 <211> 70 <212> DNA <213> Homo sapien	102
<220> <221> misc_feature <222> (1)(70) <223> n = A,T,C or G	
<400> 572 tggatccgag ctcggtacca agcttggcgt aatcatggtc atagctgttt cctgtgntcg ttttacaacg	60 70
<210> 573 <211> 423 <212> DNA <213> Homo sapien	
<pre><400> 573 ccaatggttt cttagtgaaa gagtacacta gctctgaatg caatgccctc agaaagatat cattcataga gacatacaaa gcacatggca acatgacatt ggaatacacg atctgagca tcttcattca tgaccaacct ggctatagat ttcagatgtc ctcttggctc gaaggatatc tgggatatcc atgctcactt gcattccttt ccctttaatt tcattttcta agtccttctt gtattgttc taaaagaaca gaaaataatc ttggagcttt gcttaagctt taatagcgat gttgaaattt acatgtttga atctcaaagc cacccatgtg gaaagaaaac ttatgctctt tccagctatg attcacggca tttattttaa actttgtatc ttgctgctgt cttacctggc tgg</pre>	60 120 180 240 300 360 420 423
<210> 574 <211> 129 <212> DNA <213> Homo sapien	
<400> 574 ctgttaaaag aacaaactta gcaatatata acagtttgct aacaggattt ttgactattc actttgcgag ttatttttaa aaatccactt ttttactgag tcttactaca taccaggcac tgtacttgg	60 120 129
<210> 575 <211> 684 <212> DNA <213> Homo sapien	
<220> <221> misc_feature <222> (1)(684)	

<223> n = A,T,C or G

<400> 575 ccagatntga cttttcaaaa ctactcacat tgtgaaaaan gcaggaacaa atctaagtcagca tgccgttcc tgtttaattc ataaaacaca actggcagaa gtataagcaaaaca aaagtaacgt gggaacttgc ttatttgcta agccacaatg tattggaatagcat aaatttctat attgtcaaac atgattgtat actcaaattt taagggaacact tactaagcat ttcctgggta tgccactata ttaagtccta gtaggaacact tactaagcat ttcctgggta tgccactata ttaagtccta gtaggttaacat gagcttcatg tacaatttt actccttta aaatagcact gaccaaatt ttcaagtttatt aggctaaaatt gtttatta agccactata ccaagacata ttgattcac caatttgagatag tttacattt ttggtacatc tttaaaatct ggtatgtatt tttaaattgagatag cctg	tacttg 120 ttttcca 180 ttgtttc 240 aatgtga 300 atatgat 360 caaaaga 420 tgagaaa 480 tataaaa 540 atactga 600
<pre><210> 576</pre>	gacctgg 60 accttta 120 134
<pre><210> 577 <211> 133 <212> DNA <213> Homo sapien </pre> <pre><220> <221> misc_feature</pre>	
<pre><222> (1)(133) <223> n = A,T,C or G <400> 577 ctgtctctcc attnagaagc cccantnggt cctnacctct tacaaatttg gtg tttgatgttt atgaaccgat tgcattaaaa atgcaggata atgattcagg gtt.</pre>	ttttcac 60 aganaaa 120 133
<pre>ctattattta tac</pre>	133
<pre><400> 578 cctcaaatct atcttcaaag gtgacccagc aatcagtgtc aatgccttta ctg cctggtaatt tcattcttta gtctctccaa gaaaatctga agtgtattag gca acccaaattg tctccaaggt tgcaaataat ttgtcccata caggaaatag ccc gacttcctga tcaatgtcag </pre>	agtcaga 120
<211> 402	

<212> DNA <213> Homo sapien <400> 579 ctgattttaa caataactac tgtgttcctg gcaatagtgt gttctgatta gaaatgacca 60 atattatact aagaaaagat acgactttat tttctggtag atagaaataa atagctatat 120 180 ccatgtactg tagtttttct tcaacatcaa tgttcattgt aatgttactg atcatgcatt 240 gttgaggtgg tctgaatgtt ctgacattaa cagttttcca tgaaaacgtt ttattgtgtt 300 360 ccttgaggtc ttttgacatg tggaaagtga atttgaatga aaaatttaag cattgtttgc 402 ttattgttcc aagacattgt caataaaagc atttaagttg aa <210> 580 <211> 245 <212> DNA <213> Homo sapien <220> <221> misc feature <222> (1)...(245) <223> n = A, T, C or G<400> 580 ccaattgatt tgatggtaag ggagggatcg ttgacctcgt ctgttatgta aaggatgcgt 60 agggatggga gggcgatgan gactaagatg atggcgggca ggatagttca gacngtttct 120 atttcctgag cgtctgagat gttagtatta gttagttttg ttgtgagtgt taggaaaagg 180 gcatacagga ctaggaagca gataaagaaa atgactntta gggcgtgatc atnaaanggg 240 245 ataaa <210> 581 <211> 294 <212> DNA <213> Homo sapien <400> 581 tgcagcgcaa gtaggtctac aagacgctac ttcccctatc atagaagagc ttatcacctt 60 tcatgatcac gccctcatag tcattttcct tatctgcttc ctagtcctgt atgccctttt 120 cctaacactc acaacaaaac taactaatac taacatctca gacgctcagg aaatagaaac 180 cgtctgaact atcctgcccg ccatcatcct agtcctcatc gccctcccat ccctacgcat 240 294 <210> 582 <211> 230 <212> DNA <213> Homo sapien <400> 582 gaggtegeee teatagteat ttteettate tgetteetag teetgtatge eetttteeta 60 acactcacaa caaaactaac taatactaac atctcagacg ctcaggaaat agaaaccgtc 120 tgaactatcc tgcccgccat catcctagtc ctcatcgccc tcccatccct acgcatcctt 180 tacataacag acgaggtcaa cgatccctcc cttaccatca aatcaattgg 230 <210> 583 <211> 481

<212> DNA

<213> Homo sapien <400> 583 60 ccaagggtgt tetgeetgee teageeteee aaagtgetgg gattacaggt gtgageeact 120 gtgcctgacc acaggaaaac ttatttaaat gagagatttg actcgaaaga tcccgttttt ttaaggetet tagttettaa aageggeaca taatagaatt agtataatee caaataaatt 180 240 ttcaqtaqat ttttqqtqta acttgagaag atgattctgt catttttagt gacaatttaa aagacctgaa attgtctaca gccatagaaa gtgaactact gatagttgtt tctgtaaagt 300 tttattggaa cacaaccaca cctatttgtt catctgtatt gtctttggtt actttgtgca 360 gagaccatgg cccacaaacc taaaacattc actttctagc tctttaagaa ataattggcc 420 cactgacacc ctggtcttaa ggtctagacc aattatttct caagagtatt agctgaatca 480 481 <210> 584 <211> 306 <212> DNA <213> Homo sapien <400> 584 60 ccaattaaga gctaaattta caaaataatc tctatcagga ggctttaagg tttaatgtct ctaaagtccc tatggatata agaggcttga atgtactgaa ttcaaatttg gtttttaaat 120 180 qttataatag tttaggcccg agagccacat atttctgtct aagaatagaa agcatagcta gctgcccaca cagaatattc atatagaggt ggggggcaag aacaaaattt attcatttga 240 300 tacatagaaa tgggactact tagaatagac tcataataga aagcatcatc tggtttctca 306 tctcag <210> 585 <211> 308 <212> DNA <213> Homo sapien <400> 585 ccagaatggt acagagtgga gggtgttctg ctaatgactt cagagaagta tttaagaaaa 60 120 acatagaaaa acgtgtgcgg agtttgccag aaatagatgg cttgagcaaa gagacggtgt tgagctcatg gatagccaaa tatgatgcca tttacagagg tgaagaggac ttgtgcaaac 180 240 aqccaaataq aatggcccta agtgcagtgt ctgaacttat tctgagcaag gaacaactct atgaaatgtt tcagcagatt ctgggtatta aaaaactaga acaccagctc ctttataatg 300 308 catgtcag <210> 586 <211> 416 <212> DNA <213> Homo sapien <220> <221> misc_feature <222> (1)...(416) <223> n = A, T, C or G<400> 586 cctgtctttg aatggatgaa ataggttaat aaaaaacatc actgtttaaa aactagaaca 60 ctgaaaaatt ctaggaaagc ttattttccc ttatattttt atggnacttt caacacttna 120 caacactatt tnaattaann tttnttctag agtttatann atatcagtac attctttct 180

gtggatgcaa taatatagaa tottattnoa aatottactg gcaggntotn ttaaattott caacggntgn catagtgatt aaccaaaatt agttatgatt totgootato tgtgtgagaa ottacagggg aaattgttot aaacotgagg aacatgaagt aactgtactg cacactocaa atgatgacag toattttata toacottoaa ttacocaaca gottttaata gtotgg	240 300 360 416
<210> 587 <211> 382 <212> DNA <213> Homo sapien	
<pre><400> 587 cctactatgg gtgttaaatt ttttactctc tctacaaggt tttttcctag tgtccaaaga gctgttcctc tttggactaa cagttaaatt tacaagggga tttagagggt tctgtgggca aatttaaagt tgaactaaga ttctatcttg gacaaccagc tatcaccagg ctcggtaggt ttgtcgcctc tacctataaa tcttcccact attttgctac atagacggt gtgctcttt agctgttctt aggtagctcg tctggtttcg ggggtcttag ctttggctct ccttgcaaag ttatttctag ttaattcatt atgcagaagg tataggggtt agtccttgct atattatgct tggttataat ttttcatctt tc</pre>	60 120 180 240 300 360 382
<210> 588 <211> 307 <212> DNA <213> Homo sapien	
<pre><400> 588 cctactcttc tccgtccatt gtactatctg cccgtggtgg ggatggcagt aggatcatat ttgatgactt ccgagaagca tattattggc ttcgtcataa tactccagag gatgcgaagg tcatgtcctg gtgggattat ggctatcaga ttacagctat ggcaaaccga acaattttag tggacaataa cacatggact aatacccata tttctcgagt agggcaggca atggcgtcca cagaggaaaa agcctatgag atcatgaggg agctcgatgt cagctatgtg ctggtcattt ttggagg</pre>	60 120 180 240 300 307
<210> 589 <211> 89 <212> DNA <213> Homo sapien	
<400> 589 cctgggtgat tgaggatgca atgagctgtg attgtgccac cacactccag cctgggcaat acagcaagac tgtctcaaaa aaaaaaaaa	60 89
<210> 590 <211> 456 <212> DNA <213> Homo sapien	
<pre><400> 590 cctcagttct tgattgtggt tgacggggcg tcaccatgaa ggagcccatt tagtataaag cttccaacct tttctcttaa tcgtttcttt aatcttttaa accatcttca agtgcatagg ggagtttccg atgccagagg atgaaagcaa gtgctctctc caccctctcc tcccagagtg aaaacaaatc cttttgctga tacttgtttc aaaagcatcc attgtaaagc ttctcagtga cacaaaatac tgagaggtaa ctttttatca atcaaaccac ataccccaat ttaacacctt tcaatgctct gaattcaact gacagactaa agggtgtttc ctgtaacagt ctgaaatatt aagtgttttt tttgttttgt ttttaaatct tatttcagaa aacttcctct tggggtagga</pre>	60 120 180 240 300 360 420

aagtacacat gaagcagcaa agtaacgaag aaaaac	456
<210> 591 <211> 289 <212> DNA <213> Homo sapien	
<pre><400> 591 ccaattgatt tgatggtaag ggagggatcg ttgacctcgt ctgttatgta aaggatgcgt agggatggga gggcgatgag gactaggatg atggcgggca ggatagttca gacggtttct atttcctgag cgtctgagat gttagtatta gttagttttg ttgtgagtgt taggaaaagg gcatacagga ctaggaagca gataaggaaa atgactatga gggcgtgatc atgaaaggtg ataagctctt ctatgatagg ggaagtagcg tcttgtagac ctacttgcg</pre>	60 120 180 240 289
<210> 592 <211> 435 <212> DNA <213> Homo sapien	
<220> <221> misc_feature <222> (1)(435) <223> n = A,T,C or G	
cgcgttagat gcgccttttc cggcctgtgc gtctgctctg gttcctctca ggcagcaaag ctggggaagg aagctcaggc aggagcctcc ccgacaccac agcggcacaa gcagcagcta aagcaccgca ctttgctctg ctaacctttt acttaaatga ggttttgcca aatccacatc tggaaccgca tcacaccat ttgcaaggat gtttgttctt tgatgaaact gcatctctac tgcacatgan ggctttcatt gtaggacaag aggagagttc gtttattttt gtaactgttt tacatgttcc gattanttaa tcggnagctt atgtcatttg ctatgcctgt tgtcttctaa tctctcctta ctaaaacatt acttcaaatt tnaattgacc cttgtttata atttattaa cgggatttgn gtgtc	60 120 180 240 300 360 420 435
<210> 593 <211> 633 <212> DNA <213> Homo sapien	
<220> <221> misc_feature <222> (1)(633) <223> n = A,T,C or G	
<pre><400> 593 ctgtttagtc agataattgt gtccgaattg attangaaaa taatagacca gccataaagc agcataaaat attatgaaac tattccagaa gttcagtaat atctttggga cctgctcata gcccaagttt tgtgaatact tttgtagtta aaaaaaattt ttactttacc agggcattgc aattcttttc catcagtgaa tttcattcta cagacttttc agagcatctc ataatcagtc aacaaatcta tttcaaatgt gtttgttact aagcaacggt tgctaagagc ttctgtaatt aagatgaaag ttccaaggta acaatgccca aacacagcac cattttcacc attttctgat aatgcaggag taggatggct aaaagtgaaa gaagaatcta ctctatggaa agcatggcac ctgaaatttc tgaagatatt ggctgtcctc tagcttatat gagagagagt gtttgtgctt tactaatcaa ccagtcattt ttttcttgtg tggctgaaat gtacattcca gacatgaaca</pre>	60 120 180 240 300 360 420 480 540

ggtagagtat gtgttggggg caggtttata ctgcatgggt gtgctgagac agggccacgt ggtgatgtaa atgatgctgn ctgacacgtg cag <210> 594 <211> 501 <212> DNA <213> Homo sapien	600 633
<220> <221> misc_feature <222> (1)(501) <223> n = A,T,C or G	
cotttacaag atgotggtac cttgatcttg gacngggcag gctccaagat ggaaagaaag tgagcatctg ctttttaggg attatccagt ctatactact ctgttctagc cacacaaaac aggttaagac agaaattggt accaagagtg gggtgttact acagcaaata cctgaaaatg tagaagaggc tttgaaatgt ggtaattgga agaagctggt agaatttgga ggagtaggct agaaatgtc tgtatttca tgaatggagc attaagaata attccggtga ggccataggg aaagtctaaa acttttcaga aattatgtaa gcgattgtga ttagtaggtt ggtagaaata tagacagtaa aagcaattct gatgtggtt cagaggaaaa tgaaaaatat tagaaactga aggatttat ggcagaaatg t	60 120 180 240 300 360 420 480 501
<210> 595 <211> 383 <212> DNA <213> Homo sapien	
<pre><400> 595 ctggtcacca tcatccettt aatcaactca cacetgttta aagagtgttt ctgatttgac cttcatccet tagtttactg gcgttaaaaa aagtctcagc aattttcatt attectgtg ggtctcatta tcaaaccttt acttatttcg gcatatttcc tctgggcttc ttctagtttc tgccttacaa gcaatgctgt tctgtaaatt tattgaaacc tctggaacat ttcaccttta gagatggagg atggaaggat tggtaccaga agagggctaa gatacgtttt ctgtcttgag ctgaaagcac agtctactct ccttcgtttt gtcgatgaga aagttgaggc cagaggggag gtgacatgtt tagagtcacc cag</pre>	60 120 180 240 300 360 383
<210> 596 <211> 266 <212> DNA <213> Homo sapien	
<pre><400> 596 ccatggctag gtttatagat agttgggtgg ttggggtaaa tgagtgag</pre>	60 120 180 240 266

<220> <221> misc feature <222> (1)...(383) <223> n = A,T,C or G <400> 597 60 ctggtcacca tcatcccttt aatcaactca caccngttta aagagtgttt ctgatttgac cttcatccct tagtttactg gcgttaaaaa aagtctcagc aattttcatt atttctcgtg 120 ggtctcatta tcaaaccttt acttatttcg gcatatttcc tctgggcttc ttctagtttc 180 tgccttacaa gcaatgctgt tctgtaaatt tattgaaacc tctggaacat ttcaccttta 240 300 gagatggagg atggaaggat tggtaccaga agagggctaa gatacgtttt ctgtcttgag 360 ctgaaagcac agtctactct ccttcgtttt gtcgatgaga aagttgaggc cagaggggag 383 gtgacatgtt tagagtcacc cag <210> 598 <211> 266 <212> DNA <213> Homo sapien <400> 598 60 ggaggttagt tgtggcaata aaaatgatta aggatactag tataagagat caggttcgtc 120 ctttagtgtt gtgtatggct atcatttgtt ttgaggttag tttgattagt cattgttggg 180 tggtaattag tcggttgttg atgagatatt tggaggtggg gatcaataga gggggaaata 240 266 gaatgatcag tactgcggcg ggtagg <210> 599 <211> 294 <212> DNA <213> Homo sapien <220> <221> misc_feature <222> (1)...(294) <223> n = A,T,C or G <400> 599 ccaattgatt tgatggtaag ggagggatcg ttgaccacgt ctgttatgta aaggatgcgt 60 agggatggga gggcgatgag gactaggatg atggcgggca ggatagttca gacggtttct 120 atttcctgag cgtctgagat gttagtatta gttagttttg ttgtgagtgt taggaaaagg 180 gcatacagga ctaggaagca nataaggaaa atgactatga gggcgtgatc atgaaaggtg 240 294 ataagctett etatgatagg ggaagtageg tettgtagae etaettgege tgea <210> 600 <211> 213 <212> DNA <213> Homo sapien <400> 600 agatattggg ctgttaattg tcagttcagt gttttaatct gacgcaggct tatgcggagg 60 agaatgtttt catgttactt atactaacat tagttcttct atagggtgat agattggtcc 120 180 aattgggtgt gaggagttca gttatatgtt tgggattttt taggtagtgg gtgttgagct 213 tgaacgcttt cttaattggt ggctgccttt agg

```
<210> 601
     <211> 471
     <212> DNA
     <213> Homo sapien
     <220>
     <221> misc feature
     <222> (1)...(471)
     \langle 223 \rangle n = A,T,C or G
      <400> 601
ncctactatg ggtgttaaat tttttactct ctctacaagg ttttttccta gtgtccaaag
                                                                       60
                                                                      120
agetgtteet etttggaeta acagttaaat ttacaagggg atttagaggg ttetgtggge
aaatttaaag ttgaactaag attctatctt ggacaaccag ctatcaccag gctcggtagg
                                                                      180
tttgtcgcct ctacctataa atcttcccac tattttgcta catagacggg tgtgctcttt
                                                                      240
tagctgttct taggtagctc gtctggtttc gggggtctta gctttggctc tccttgcaaa
                                                                      300
gttatttcta gttaattcat tatgcagaag gtataggggt tagtccttgc tatattatgc
                                                                      360
ttggttataa tttttcatct ttcccttgcg gtactatatc tattgcgcca ggtttcaatt
                                                                      420
tctatcgcct atactttatt tgggtaaatg gtttggctaa ggttgtctgg t
                                                                      471
      <210> 602
      <211> 482
      <212> DNA
      <213> Homo sapien
      <220>
      <221> misc feature
      <222> (1)...(482)
      \langle 223 \rangle n = A,T,C or G
      <400> 602
tgagcataca gcaataaaaa taacataatt tntatgtgta caatatttat ggaatacgtt
                                                                       60
actggaacag ataaataatt tagttaataa catgacaaag aacagaaatt gtatacacta
                                                                      120
                                                                      180
tacagcatag taatagaata atgaatgatt aaagttatta atattaggta gaaaatgaag
ggtatctttg agagcagaac tcaaggaagc aagcaatttg ccttatgagg aaagagttac
                                                                      240
ctgtggataa aggagaaact gaaaaattta caagtcaaga ctttttgagc aaaaacaaaa
                                                                      300
atatgactat gagtcaccaa ttcagtacag tgaaaaaaaa gttgaagaga tatcttggaa
                                                                      360
gtaaaccatg ttgtggaaga gcagggtttt gataatcatg ggattattct gaatgaattt
                                                                      420
taaatgcgat aggaatatat gagataattt caccagagaa taatatgatc atgtttgcat
                                                                      480
                                                                      482
tt
      <210> 603
      <211> 372
      <212> DNA
      <213> Homo sapien
      <400> 603
gttccaacct tcatttctga aactgttcta gagcactttg tctttctcgt agttcataac
                                                                       60
ttaccccttc agtctagaat tagaattaca ttatctgttt tactacttta ctagactgta
                                                                      120
agetectaga agataaggae tagggagtte atetetgtat teeaccagaa ggtacagtga
                                                                      180
ctcataacta gagtctttag atgaaactta ctgagttgaa taacttaata tatttctgtt
                                                                      240
                                                                      300
ttcattccca agggaggcca tgtctggaga tagaccttga atttaataaa ttttaggcac
360
```

ggaagtcact gg	372
<210> 604 <211> 468 <212> DNA <213> Homo sapien	
<220> <221> misc_feature <222> (1)(468) <223> n = A,T,C or G	
congetting graghted taatectgag teetggnting attgeactging grands teetggnting attgeactging attaction teetgest teetgag agagettiae teetgaging agagettiae teetgaging agagettiae teetgaging agagettiae teetgate teetgaging agagettiae teetgate teetgaaaa grands attgeaaaa aatgaatat eetgaging agageting agageting teetgaaaag agagettiae eetgaging teetgaaaaa aatgaatat eetgateaate teetgaaaag teetgaaaag agagettiae eetgaating teetgaaaaag aatgaatat eetgaging agageting agageting agageting eetgaging teetgaaaag eenagaeting eetgategaaa eetgaging teetgaaaag eenagaeting eetgatigaaat eetgaging eenagaaaag eenagaeting eenagaaaag eenagaeting eenagaaaag eenagaeting eenagaaaag eenagaeting eenagaaaag eenagaaaaag eenagaaaag eenagaaaaag eenagaaaag eenagaaaag eenagaaaag eenagaaaag eenagaaaag eenagaaaag eenagaaaaag eenagaaaaag eenagaaaaag eenagaaaaag eenagaaaaaaaaaa	60 120 180 240 300 360 420 468
<210> 605 <211> 288 <212> DNA <213> Homo sapien	
<pre><400> 605 ccaattgatt tgatggtaag ggagggatcg ttgacctcgt ctgttatgta aaggatgcgt agggatggga gggcgatgag gactaggatg atggcgggca ggatagttca gacggtttct atttcctgag cgtctgagat gttagtatta gttagttttg ttgtgagtgt taggaaaagg gcatacagga ctaggaagca gataaggaaa atgactatga gggcgtgatc atgaaaggtg ataagctctt ctatgatagg ggaagtagcg tcttgtagac ctacttgc</pre>	60 120 180 240 288
<210> 606 <211> 572 <212> DNA <213> Homo sapien	
<220> <221> misc_feature <222> (1)(572) <223> n = A,T,C or G	
cangccanga gagaatgga tgatatatt tgagagcttc aacaacagac tataccaaat tgagagaaaaa atttctgaac ttgaagatag atcttttgaa ataacacaag cagtggcaaa aatgaattaa aaagaataag gaaagcctaa aggatttatg agatatcatt aagcaagcaa atattcatac tatgggcatt ccagatggaa aaaagaaggg taaaggtgag gaaatcatat ttaatgaaat aatagcagaa aatttccgga gtcttgggag agagatgagc atttaggtcc aggaggctca aagaacccca aacagattca acccaaacag gtcctcttg gagcccaaca tagtcaaat gtaataagta aaagacaaag aattccaana agcattcaag agaaaaggt caagtcataa ataagggaat ctccattagg ctaacagcag atatctcagc agaaagctta cangccanga gagaatggga tgatatattc aaagtacttg aaagcagggg tnggggaaac	60 120 180 240 300 360 420 480 540

cctgctagct aaaaatatta tacccttgca aa	572
<210> 607	
<211> 178	
<212> DNA	
<213> Homo sapien	
<220>	
<221> misc_feature	
<222> (1)(178)	
<223> n = A, T, C or G	
<400> 607	60
ctcggggtaa tctcccagca agaggtcagg tcctggntgt gcgtcccagg gtgtcagtga	60 120
aattggctgc tcccctgacc cagggcacct tcatgcgtct tcacagcagg actactgtga ccaaggccag acctttcatc tttcaaaaga ctttgactaa aaatgcttta aaaaagca	178
ccaaggccag acctttcate titeadadaga ettigacida adatgeteta addunged	170
<210> 608	
<211> 416	
<212> DNA	
<213> Homo sapien	
<400> 608	
cctgtctttg aatggatgaa ataggttaat aaagaacatc actgtttaaa aactagaaca	60 120
ctgaaaaatt ctaggaaagc ttattttccc ttatattttt atggtacttt caacacttaa	180
taacactatt tcaattaagt tttctcctag agtttatagt atatcagtac attcctttct qtggatgcaa taatatagaa tcttattcca aatcttactg gcaggttctc ttaaattctt	240
caacggctgt catagtgatt aaccaaaatt agttatgatt tetgeetate tgtgtgagaa	300
cttacagggg aaattgttct aaacctgagg aacatgaagt aactgtactg cacactccaa	360
atgatgacag tcattttata tcaccttcaa ttacccaaca gcttttaata gtctgg	416
<210> 609	
<211> 648 <212> DNA	
<212> DNA <213> Homo sapien	
(213) Homo Bapton	
<400> 609 ctgatctctc agcagaaact cttcaaacca gaagagagtg ggggccaata ttcaacattc	60
ttaaagaaaa taattttcaa cccagaattt catatccagc caaactaacc ttcacaagtg	120
aaggagaaat aaaatccttt acagacaagc aaatgctgag agattttatc accaccaggc	180
ctaccctaaa agagttcctg aaggaagcac taaacatgga aaggaacaac cagtaccatc	240
gaggctagga agaaaccgca tcaactaagg agcaaaataa ccagctaaca tcataatgac	300
aggatcagat tcacacataa cgatattaac tttaaatgta aatggactaa atgctccaat	360
taaaagacac agactggcaa attggataaa gagtcaagac ccatcagggt gctgtattca	420
ggaaacccat ctcaccgtgc agagacacac ataggctcaa aataaagggc tggaggaaga	480
tctaccaagc aaatggaaaa caaaaaaagg caggggttgc aatcctagtc tctgataaaa	540
cagactttaa accaacaaag atcagaagag acaaagaagg ccattacata atggtaaagg	600 648
gatcaattca acaagaagag ctaactatcc taaatatata ttgcaccc	040
<210> 610	
<211> 310	
<212> DNA	
<213> Homo sapien	

<pre><400> 610 ccagctcttc tctgtcacat tcctattct gacttctgcc tggctttcag tttctgcccc accttggctt tttcccagct tgaacctaat agaactccag agtttggggg gaggcccagc cctttgtttt ctgctcttga agcatattca cacataaaaa gttgtattct cttacacaaa ctgttttgag gctcttaccg tagtcgaagg tatcttagat cttccttagt gatctcatta agaatatccg aaagtgtata accctcttca acaatctgaa acaaagatca gatccttaag agctgagcag</pre>	60 120 180 240 300 310
<210> 611 <211> 254 <212> DNA <213> Homo sapien	
<220> <221> misc_feature <222> (1)(254) <223> n = A,T,C or G	
<pre><400> 611 ctgtttttac atctaaagca atagactaga actgaattnt cttctacata gtaaaatcac aattgtggaa ttacaggaat tctggtgata ttaaggtgaa acaacaaaac acaaaaggcc ctattttaac agttgatgtg acagtaagtt ttaatagaac ctgtaacttc attttggaaa tgcttctcca ccaaataagg cctttttccc ctatttaagg agccagatgg attgaaagat gtggaaatag gcag</pre>	60 120 180 240 254
<210> 612 <211> 225 <212> DNA <213> Homo sapien	
<220> <221> misc_feature <222> (1)(225) <223> n = A,T,C or G	
<pre><400> 612 ctgactatat catgtcacca tcatagccaa tacaacattn ttgccatact tcctaaaaac cttttcgcat acactgatca tgctacttat cagcactttc taacatcctg accaaacaga cacccacacc tcttatagag tacactgtga gagaataaca tggacttgat atggcatcac acttgtttta aagcaaaaaa aaaagaaaaa gaaaagaaaa</pre>	60 120 180 225
<210> 613 <211> 471 <212> DNA <213> Homo sapien	
<220> <221> misc_feature <222> (1)(471) <223> n = A,T,C or G	
<400> 613 ccatcagact tcttgggtgc ctggctatat tcaatgtgaa gtaaaaaata tcccaagtct tacaccaaaa tagaggctct gacttagaag tatgctttta gctttctttt taaataagac	60 120

attetggaag aaaaaaaag aaaaaggaaa gaaaateaag tttgaaacae agttaacaet tattttggca agaaagcaac caaaatetaa aaagcataaa etatgngtee aaatgnaaaa ggnattacag aacaaactge aagaggggaa aattaaagge ncaetgaacg aaaaaataca gtatgtetaa cattttggaa ttgnaatta aaceetaagg gcaaaagetg aaaaaatcatg ettanacetn ggnegngace acnetaaggg cgaatteean cacaetggeg gnegttaeta gtggateena neteggtace aagettggeg taateetngg eatagetgt t	180 240 300 360 420 471
<pre><400> 614 gttattttt agaatggctc tcccatcttg agtatgtgtg atgtttcctc atgtatgaat gaagcatata catctttgtc agaagtatcc cagaagcaat tctgtactct cctcattatg ttctattggg tgggccatgg tttttgattt gtctcattac tgatgatggt tacttttatt atttgataaa ggttgtatat aacttatcta ttatggcata atacattagc taaaaccttg gcggtgtaaa acagcagata cttacgtttc tcataggaat ggctctattg agtacctctg tctcaaggct tctcaagagt ttgtagctac cttgttggct ggggttgcgg tctgacctaa aggcttagtt aggggtggt agaaatcttc catatgttct ttgctacgtg gacctcacag g</pre>	60 120 180 240 300 360 420 421
<pre><210> 615</pre>	60 120 180 240 242
<210> 616 <211> 392 <212> DNA <213> Homo sapien <220> <221> misc_feature <222> (1)(392) <223> n = A,T,C or G	
<pre><400> 616 cctaatttgt agattgtgaa agcagctttt agtttaactt atttacagac cccttataat taccatgttt tttttttnt tcctaaatct nttggttcag cttgngaatn ttacgtgccc gtaaagtngg gatgttgaat nggcccttnt ttgttctggc agngagtcaa gngtccanca tttttcata agngttttt aaaatngttc tccancattt tatggctcct ccctccatg tcctcaaacc cagcaaaagc gtanaggcan aattanagga cccncccggg cggccgntaa gggcnaattc cagcncactg gcggccgtta ctagnggatc cnagctcggn nccaagctng gcgtaatcat ggncatagct gtttcctgtg an</pre>	60 120 180 240 300 360 392

<211> 215 <212> DNA <213> Homo sapien <400> 617 cctactatgg gtgttaaatt ttttactctc tctacaaggt tttttcctag tgtccaaaga 60 120 gctgttcctc tttggactac cagttaaatt tacaagggga tttagagggt tctgtgggca aatttaaagt tgaactaaga ttctatcttg gacaaccagc tatcaccagg ctcggtaggt 180 215 ttgtcgcctc tacctataaa tcttcccact atttt <210> 618 <211> 433 <212> DNA <213> Homo sapien <220> <221> misc feature <222> (1)...(433) <223> n = A, T, C or G<400> 618 cttttgtntg cctgttttgt ggactggctg gctctgttag aactctgtcc aaaaagtgca 60 tggaatataa cttgtaaagc ttcccacaat tgacaatata tatgcatgtg tttaaaccaa 120 atccagaaag cttaaacaat agagctgcat aatagtattt attaaagaat cacaactgta 180 aacatgagaa taacttaagg attctagttt agttttttgt aattgcaaat tatatttttg 240 ctgctgatat attagaataa tttttaaatg tcatcttgaa atagaaatat gtattttaag 300 cactcacgca aaggtaaatg aacacgtttt aaatgtgtgt gttgctaatt ttttccataa 360 gaattgtaaa cattgaactg aacaaattac ccataatgga tttggttaat gacttatgag 420 433 caagctggtt tgg <210> 619 <211> 259 <212> DNA <213> Homo sapien <400> 619 ctgcagtgtc cctttttata tcatgctagt gttgagacat acttgactaa cttgggaaca 60 gttcgatata ttgacaaccg tcaacttaag aaaatcaaca gcttttggcc ccagcgtcca 120 agtgaacttt tcatggagtg cagaatctca aatggacaaa atactttgtc tttttaaata 180 ctgaaaattt aattattagt actatgactg aaagattett catggetaaa aagetetgea 240 259 tcaaactcaa ttcaggagg <210> 620 <211> 393 <212> DNA <213> Homo sapien <400> 620 ccaccaaagc cacacggaga ttctgtcagg cgctgagaca ccacagcctt ttcaatctta 60 gggaaagaaa tcaagtcata taaattaata tcaacaggta aggtcattga gcaattgtct 120 ttcaactgtc taagacttta tcacttaaga tcataaacac agaagcaggt cataaaaata 180 240 gcttttctta aggtttagga gaatttgtag gggcacttac ttgataatct gaattttcta 300 gtcagaagtt taaataccac cttttaaaaaa cataaaattt aatttgtaac aagttattaa 360 caaagcagta ttgtcgaaag ttttaagctt tctcccaata atttaattac attaattaaa

tttttaccat tctaatggtt acaaagtaac cag	393
<210> 621 <211> 563 <212> DNA <213> Homo sapien	
<pre>ctgacaatga taaaattatc tctatatggg caaacgcgtg ctctttgtcg aagaagaaag cttcagcttc atgttccagg tgagttaatt aggcaatgta tgaatgctaa tatctctttc acatattttg cttaagatct gtcttaggac tctcgtctgg cccatatggt tttccaaggg cagaagggcc tctttttgat gagaggcagt tttcagtaac tcttaaagtg ataacagcaa aggagagagag agagaagagt aagacaaatc gaaacattct tcaattgctt cttggccttt tggctaagct caagctcaaa acaggtcttc aaggagaaaa tacatcacaa agaaaaggat gttttattc ttaccttgtc ctagaaaaat ttccataaac tctattggct taattctgta aacttgacca atatcagagt gcttcctacc aaggagggta gctgatgagc gtgaccatgg tacatcctag aagaatgtgt gatgaagaag ctttcaccgt gtaaaaagagt tgaaaaattat tcaaggagac attatggtct tgg</pre> <pre><210> 622 <211> 505 <212> DNA</pre>	60 120 180 240 300 360 420 480 540 563
<213> Homo sapien <220> <221> misc_feature <222> (1)(505) <223> n = A,T,C or G <400> 622 tcttaagtgt gtttaataga taaagtaaac tttcctagtc aagggttaga tttttattat	60
ctcttgtgtt ccgactttct acttttcaac tttgaacttc aaaaaaacat tactttgctt atcctttgta ctttgatcag gttgtttaga attgtagatc aaaccattct ttgatcattt tattgtttaa atgnttagtt ccatttataa tttttatagc caactctcgg ttatttctgt cttttgagat tgcaattcag aagctgtatg tcgaagtaat ttatgagttg acttttatac ttaggcttct ttaaatacta atagtcaaga attctagagc atctaataaa aaattaactt tcagatcatt gggaatctgt cctcatttaa atagtgtaa atgcatttcc acagcaaatt gcttcatgcc ctttgnctat aaggaaatta ttccttgtag ctaatacatt tttcattttg cagnccaaat ctttttgag aaagg	120 180 240 300 360 420 480 505
<210> 623 <211> 489 <212> DNA <213> Homo sapien	
<pre><400> 623 cctactatgg gtgttaaatt ttttactctc tctacaaggt tttttcctag tgtccaaaga gctgttcctc tttggactaa cagttaaatt tacaagggga tttagagggt tctgtgggca aatttaaagt tgaactaaga ttctatcttg gacaaccagc tatcaccagg ctcggtaggt ttgtcgcctc tacctataaa tcttcccact attttgctac atagacgggt gtgctctttt agctgttctt aggtagctcg tctggtttcg ggggtcttag ctttggctct ccttgcaaag ttattctag ttaattcatt atgcagaagg tatagggtt agtccttgct atattatgct tggttataat ttttcatctt tcccttgcgg tactatatct attgcgccag gtttcaattt ctatcgctat actttatttg ggtaaatggt ttggctaagg ttgtctggta gtaaggtgga</pre>	60 120 180 240 300 360 420 480

gtgggtttg	489
<210> 624 <211> 233 <212> DNA <213> Homo sapien	
<pre><400> 624 gttggggaac agctaaatag gttgttgttg atttggttaa aaaatagtag ggggatgatg ctaataatta ggctgtgggt ggttgtgttg attcaaatta tgtgtttttt ggagagtcat gtcagtggta gtaatataat tgttgggacg attagtttta gcattggagt aggtttaggt tatgtacgta gtctaggcca tatgtgttgg agattgagac tagtagggct agg</pre>	60 120 180 233
<210> 625 <211> 459 <212> DNA <213> Homo sapien	
<pre><400> 625 ttcgagaaca tttttaataa ataatgtgac aaaattactt ttctgattat tggattttca gtatgcaaaa ttatggctaa aaataagggg cttcttacat gaacataatg aaaacattaa tcacatggat tgttccctta gtactgcacg ccttttctat ggaacttttt caaattatct aaatgaacaa gtttggtttt ggtgaacacc agcctttttt tttgtggttc agttttgttt ggctttgtct tccactgggg tcagacctga tacttatcta tctatgaata aatgtacatt ttttcttca aatagcacca attataaaat caatgatatt cataaaatga caaaaaagga tcatagaaat ctactagtca gagggcatca tttgtcaatt gaaagcaagt aatgcctcta ttagagattt taaggaaatc ttgtaggttt cgacattgg</pre>	60 120 180 240 300 360 420 459
<210> 626 <211> 458 <212> DNA <213> Homo sapien	
<pre><400> 626 cctgatgatt gttttaaaca gtagaaaggg ttcagctaag aactacagtc cactctcagc cctgtcatgt actataggac aagtcttcat tcacaacaaa tggatagcaa caccaatctc gtaacactgg gaaaactgca tacaatattt agaaggaaca ctaatacagc agaatctgca cacaacggag tcaaagatct gaggccaaat cctactacac tttacgactt tgagttggtc acttttctga accttagctt ctccatcagt gtaaaactga tgtaaaataa tataaagcta tatgaaagct gatgtgattt acttgtgaaa tagtatgtgc aaaaggactt tgtaaaatgt aaagcactat gctggttatt gtgatatctg agatatttt aaagttgcaa ttcaattcaa</pre>	60 120 180 240 300 360 420 458
<210> 627 <211> 393 <212> DNA <213> Homo sapien	
<220> <221> misc_feature <222> (1)(393) <223> n = A,T,C or G	
<400> 627	

ccatnngaac gcactcagga ggtggtttgt tctggatgca gaaaccagag atctagtttc tatccacaca gacgggaatg aacagetcte tgtgatgcge tactcaatag atggtacett cctggctgta ggatetcatg acaactttat ttacetctat gtagtetctg aaaatggaag aacattccagae agatatggaa ggtgcactgg acattccage tacatcacac acettgactg gtccccagac aacaagtata taatgtctaa ctcgggagac tatgaaatat tgtactggga cattccaaat ggetgcaaac taatcaggaa tcgateggat tgtaaggaca tttgattgga ccgacatata cctgtggget aggacttcca gga	60 120 180 240 300 360 393
<210> 628 <211> 233 <212> DNA <213> Homo sapien	
<220> <221> misc_feature <222> (1)(233) <223> n = A,T,C or G	
<400> 628 ctggatttat aaaatagttg aatgacaaaa gaagnntgtt ttgacagtaa aaaaaagaca ttatggacaa aatatgcaaa atgtgcaaag aaaaaataaa tttgcattag aaaggtgggc atttgatctc tgagccctgt gccatgtaac attgccatgt tctttcactg ttgtttgaat gttgtacccc ancccttgac tctggactta aggcaagcta tgactggctt tgg	60 120 180 233
<210> 629 <211> 450 <212> DNA <213> Homo sapien	
<220> <221> misc_feature <222> (1)(450) <223> n = A,T,C or G	
<pre><400> 629 ccnggacaat ntaggcagga gaaggaaata aagggtattc aattaggaaa agaggaagtc aaattgtccc tgtttgcaga tgacatgatt gtatatctag aaaaccccat tgcctcagcc caaaatctcc ttaagctgat aagcaactcc agcaaagtcg caggatacaa aatcaatgga cacaaatcac aaacattctt atacaccaat aacagacaaa cagaggccaa atcacgagtn gaactctatt ccaattgctt tcaagaaaat taaaatacct agggatccaa cttacaaggg acatgaagga cctcttcaag gagaaactac aaaccactgc tcaatgaaat aaaagaggat acaaagaaat ggaagaacat tccatgctca ttggtagctt gatggggatg gcattgaatc tataaattac cttgggcagt atggacctca</pre>	60 120 180 240 300 360 420 450
<210> 630 <211> 486 <212> DNA <213> Homo sapien	
<pre><400> 630 cctactatgg gtgttaaatt ttttactctc tctacaaggt tttttcctag tgtccaaaga gctgttcctc tttggactaa cagttaaatt tacaagggga tttagagggt tctgtgggca aatttaaagt tgaactaaga ttctatcttg gacaaccagc tatcaccagg ctcggtaggt ttgtcgcctc tacctataaa tcttcccact attttgctac atagacgggt gtgctcttt</pre>	60 120 180 240

<212> DNA

agctgttctt aggtagctcg tctggtttcg ggggtcttag ctttggctct ccttgcaaag ttatttctag ttaattcatt atgcagaagg tataggggtt agtccttgct atattatgct tggttataat ttttcatctt tcccttgcgg tactatatct attgcgccag gtttcaattt ctatcgccta tactttattt gggtaaatgg tttggctaag gttgtctggt agtaaggtgg agtggg	300 360 420 480 486
<210> 631 <211> 211 <212> DNA <213> Homo sapien	
<pre><400> 631 tttacataaa tattatacta gcatttacca tctcacttct aggaatacta gtatatcgct cacacctcat atcctcccta ctatgcctag aaggaataat actatcactg ttcattatag ctactctcat aaccctcaac acccactccc tcttagccaa tattgtgcct attgccatac tagtctttgc cgcctgcgat gcagcggtag g</pre>	60 120 180 211
<210> 632 <211> 293 <212> DNA <213> Homo sapien	
<220> <221> misc_feature <222> (1)(293) <223> n = A,T,C or G	
<pre><400> 632 cagcgcaagt aggtctacaa gacgctactt cccctatcat agaagagctt atcacctttc atgatcacgc cctcatagtc atttttcctt atctgcttcc tagtcctgta tgcccttttc ctaacactca caacaaaact aactaatact aacatctcag acgctcagga aatagaaacc gtctgaacta ngctgccgc catcatccta gtcctcatcg ccctcccatc cctacgcatc ctttacataa cagacgaggt cnacgatccc tcccttacca tcaaatcaat tgg</pre>	60 120 180 240 293
<210> 633 <211> 263 <212> DNA <213> Homo sapien	
<220> <221> misc_feature <222> (1)(263) <223> n = A,T,C or G	
<400> 633 nggtctgcag tgtccctttt tatatcatgc tagtgttgag acatacttga ctaacttggg aacagttcga tatattgaca accgtcaact taagaaaatc aacagctttt ggccccagcg tccaagtgaa cttttcatgg agtgcagaat ctcaaatgga caaaatactt tgtcttttta aatactgaaa attnaattat tagtactatg actgaaagat tcttcatggc taaaaagctc tgcatcaaac tcaattcagg agg	60 120 180 240 263
<210> 634 <211> 491	

<213> Homo sapien

```
<400> 634
                                                                         60
cctactatgg gtgttaaatt ttttactctc tctacaaggt tttttcctag tgtccaaaga
                                                                        120
gctgttcctc tttggactaa cagttaaatt tgcaagggga tttagagggt tctgtgggca
aatttaaagt tgaactaaga ttctatcttg gacaaccagc tatcaccagg ctcggtaggt
                                                                        180
                                                                        240
ttqtcqcctc tacctataaa tcttcccact attttgctac atagacgggt gtgctctttt
agetgttett aggtageteg tetggttteg ggggtettag etttggetet eettgeaaag
                                                                        300
ttatttctag ttaattcatt atgcagaagg tataggggtt agtccttgct atattatgct
                                                                        360
                                                                        420
tggttataat ttttcatctt tcccttgcgg tactatatct attgcgccag gtttcaattt
                                                                        480
ctatcqccta tactttattt gggtaaatgg tttggctaag gttgtctggt agtaaggtgg
                                                                        491
agtgggtttg g
      <210> 635
      <211> 270
      <212> DNA
      <213> Homo sapien
      <400> 635
                                                                         60
ccaattgatt tgatggtaag ggagggatcg ttgacctcgt ctgttatgta aaggatgcgt
agggatggga gggcgatgag gactaggatg atggcgggca ggatagttca gacggtttct
                                                                        120
atttcctgag cgtctgagat gttagtatta gttagttttg ttgtgagtgt taggaaaagg
                                                                        180
                                                                        240
gcatacagga ctaggaagca gataaggaaa atgactatga gggcgtgatc atgaaaggtg
                                                                        270
ataagctctt ctatgatagg ggaagtagcg
      <210> 636
      <211> 383
      <212> DNA
      <213> Homo sapien
      <400> 636
                                                                         60
cctactatgg gtgttaaatt ttttactctc tctacaaggt tttttcctag tgtccaaaga
gctgttcctc tttggactaa cagttaaatt tacaagggga tttagagggt tctgtgggca
                                                                        120
aatttaaagt tgaactaaga ttctatcttg gacaaccagc tatcaccagg ctcggtaggt
                                                                        180
                                                                        240
ttgtcgcctc tacctataaa tcttcccact attttgctac atagacgggt gtgctctttt
agetgttett aggtageteg tetggttteg ggggtettag etttggetet eettgeaaag
                                                                        300
ttatttctag ttaattcatt atgcagaagg tataggggtt agtccttgct atattatgct
                                                                        360
                                                                        383
tggttataat ttttcatctt tcc
      <210> 637
      <211> 537
      <212> DNA
      <213> Homo sapien
      <220>
      <221> misc feature
      <222> (1)...(537)
      <223> n = A, T, C \text{ or } G
      <400> 637
                                                                         60
ttttaatoot ggggtatata ggcagnactt taaattgcaa agtottoogg gootatttto
                                                                        120
ctctacattt ttgtaattaa ctctgggggc ttacttgttt tggcagtact gaaatcaaag
gagetggtte ttettttete ecaattattt teatatgaaa geacetaeaa ttageetgtt
                                                                        180
```

agtectatte agatacatea aatateagtg aatgetttae tattegeaca tttaageate

240

tttgttttac ataaaattag agt tgtaaaatgc cagcaattta aaa tactaataca agggttaaag aag gattcttccc acagggaaga act gaaaattcac tgtatcatga aac	ctaggac ttttcccccc gtagatt ttgttttcaa agcaagt gtcccaattt	ataagccaag tatttgggta tttccaaacg	gaggtagaat atattagaaa ttggggaggg	300 360 420 480 537
<210> 638 <211> 445 <212> DNA <213> Homo sapien				
<220> <221> misc_feature <222> (1)(445) <223> n = A,T,C or	G			
<pre><400> 638 ccagcagaac acagnagtga ttt gcagggcaca agcctacatg gtg ctgcacacca gaatgaatga att agtcaattca tttagactgg tag attccctgga agatgttaca taa aaattttatg taatactgca cag gtaaatactt tttgaatgaa cta acaaaagaac agtgtcatct tac</pre>	ggctctgg tcatatcatt gaattga aagggaggag gaaccaga accactgtgt atcctatc atggtgttta gtctgttt gcatgatgcc agtatagt attttaatta	agaaaataga tgatggtgga agtacatcca tttatggaaa ttgtacgtag	cagaaatggg aaaaaaaaca aacggttaaa tctattttaa tagcaactca	60 120 180 240 300 360 420 445
<210> 639 <211> 584 <212> DNA <213> Homo sapien				
<pre><400> 639 gcttgagtat tctatagtgt cac ctgtgtgaaa ttgttatccg ctc gtaaagcctg gggtgcctaa tga ccgctttcca gtcgggaaac ctc ggagaggcgg tttgcgtatt ggg cggtcgttcg gctgcggcga gcg cagaatcagg ggataacgca gga accgtaaaaa ggccgcgttg ctc acaaaaatcg acgctcaagt caa gcgtttcccc ctggaagctc cct</pre>	cacaatto cacacaacat agtgaget aactcacatt gtegtgec agetgeatta gegetett eegetteete ggtatcag etcactcaaa aaagaaca tgtgagcaaa ggegtttt tecatagget agaggtgg egaaaceega	acgagccgga aattgcgttg atgaatcggc gctcactgac ggcggtaata aggccagcaa ccgccccct caggactata	agcataaagt cgctcactgc caacgcgcgg tcgctgcgct cggttatcca aaggccagga gacgagcatc	60 120 180 240 300 360 420 480 540 584
<210> 640 <211> 404 <212> DNA <213> Homo sapien				
<pre><400> 640 ccataggaac gcactcaggc agg ctatccacac agacgggaat gaa tcctggctgt aggatctcat gac gaaaatatag gagatatgga agg ggtccccaga caacaagtat ata</pre>	acagetet etgtgatgeg caaettta tttaeeteta gtgeaetg gaeatteeag	ctactcaata tgtagtctct ctacatcaca	gatggtacct gaaaatggaa caccttgact	60 120 180 240 300

acattccaaa tggctgcaaa ctaatcagga atcgatcgga ttgtaaggac attgattgga cgacatatac ctgtgtgcta ggatttcaag tatttggtgt ctgg	360 404
<210> 641 <211> 138	
<212> DNA <213> Homo sapien	
<220>	
<221> misc_feature	
<222> (1)(138) <223> n = A,T,C or G	
<400> 641	60
ctgtgacagg aacattacct gaagtgcagg gtggttacct gcacaaagtc ccatttccaa aaatttctgt gtaattcacc agaaattttg gatggaataa ttagaaaaaa aaaaagaggt	120
taaaacntgt aactcaaa	138
<210> 642 <211> 381	
<212> DNA <213> Homo sapien	
<220>	
<221> misc_feature	
<222> (1)(381) <223> n = A,T,C or G	
<400> 642	
ctgtaggtgg aatttttacc cagaaaagat aggccctaga agcctcattt cttttctcca tggaaaagga cagccctctg ctgcagcgtt caacttgtgt gtttactgac agagtgaact	60 120
acaqaaataq cttttcttcc taaaggggat tgttctacat tttgaagtta tttttaata	180
aaattgaatt atgttgtgta ttgtgcttcc taataggaaa tgcattattg gactgttttt gtaacatcct gtttattgca aatagctagt atcgttcaaa aactgtataa aatacttttg	240 300
tacatattag caatgtctaa tttgtataca cttcagttaa atttccctaa aacttgaaag	360
gggaccttgt anaaattaaa a	381
<210> 643	
<211> 403 <212> DNA	
<213> Homo sapien	
<400> 643 ccttcctaaa aaatagtggt gagctggagg ctacttccgc cttcttagcg tctggtcaga	60
qagctgatgg atatcccatt tggtcccgac aagatgacat agatttgcaa aaagatgatg	120
aggataccag agaggcattg gtcaaaaaat ttggtgctca gaatgtagct cggaggattg	180 240
aatttcgaaa gaaataattg gcaagataat gagaaaagaa aaaagtcatg gtaggtgagg tggttaaaaa aaattgtgac caatgaactt tagagagttc ttgcattgga actggcactt	300
attttctgac catcgctgct gttgctctgt gagtcctaga tttttgtagc caagcagagt	360 403
tgtagagggg gataaaaaga aaagaaattg gatgtattta cag	103
<210> 644 <211> 688	
<212> DNA	

```
<213> Homo sapien
      <220>
      <221> misc feature
      <222> (1)...(688)
      <223> n = A,T,C or G
      <400> 644
                                                                         60
cctatttatt tgttttggcc ctggatcttt cctaatcaca attatatttc tttatttttg
cctttgagca gtttcattta tctttgtggg cagggaagat taaatatgaa attcagtcca
                                                                        120
gtcattttgc tactggttag ctttagtttg aggcaagtaa aaatttttga ttaaaattag
                                                                        180
                                                                        240
tttcttaaaa ttatgccctt gctttaccaa ataatcaaat tggctaaaaa ataagggtat
gtaactttgc attttgaaga acaaaccaat aatttttcat gagccctact cgatcttctt
                                                                        300
taaagaagac cttcctaaga gacaattagg gatgagtttg attaatggga aatagctcta
                                                                        360
                                                                        420
ggttagatta ttttaaattc catacaccaa gtgatttaac cacagtggca gtggcagctt
ctgaaccgtc aagtatgaac atcacttaaa aattaaaaga tgcttaataa taaactctta
                                                                        480
                                                                        540
attttcatta agccaatctg taattcagaa gaaaagcata tgtctgccat gggactattg
cagtgcgtct ccatcagtgt taacacagga gagatatgtt attttatgtg tatgtcttag
                                                                        600
tttgggatat gtggtagtaa gaacatgtca agagtgcttt tcttcaaacc tgncagctca
                                                                        660
                                                                        688
actgangaaa gacaggtact tccattgc
      <210> 645
      <211> 484
      <212> DNA
      <213> Homo sapien
      <220>
      <221> misc_feature
      <222> (1)...(484)
      <223> n = A,T,C or G
      <400> 645
ccaaatgtgt ctccagccca cacttccagg tggcagagcg agctctctat tactggaata
                                                                         60
atgaatacat catgagttta atcagtgaca acgcagcgaa gattctgccc atcatgtttc
                                                                        120
cttccttgta ccgcaactca aagacccatt ggaacaagac aatacatggc ttgatataca
                                                                        180
acgecetgaa getetteatg gagatgaace aaaagetatt tgatgaetgt acacaacagt
                                                                        240
tcaaagcaga gaaactaaaa gagaagctaa aaatgaaaga acgggaagaa gcatgggtta
                                                                        300
aaatagaaaa totagocaaa gocaatoooo aggtactaaa aaagagaata acatgaaaac
                                                                        360
gcccagggtt acttgaatgt ttttataaga taggaatata tgtcttcacc atgggggggg
                                                                        420
gtctcggatt tcactaacgt tgtatatgaa aatgggtgcn ataaaaagta cttttaaact
                                                                        480
                                                                        484
ttgt
      <210> 646
      <211> 447
      <212> DNA
      <213> Homo sapien
      <220>
      <221> misc_feature
      <222> (1)...(447)
      \langle 223 \rangle n = A,T,C or G
      <400> 646
```

gggtcgcgtt gaacaacttg gttcaagatg gtgggggcat ttttagagcg gcaataattg

60

aaaaaaaagg cgaactctgc cttggagagg tagatgataa gaaataaaaa ggtgtttata actattttgt attataaagt gggccttaga gataggaaga agaatgatgg attccttttg gatcaatcag aaaggaaaca cgaaagaaaa gtcaggaagg tagagagaga aaaagggagg gaaggagaaa gaatgggaat aaaataagga ggtaagagat actattttg ctgagcaacc agtgtgtttc aggatgatac aaagaaaaat atagaataga	120 180 240 300 360 420 447
<210> 647 <211> 388 <212> DNA <213> Homo sapien	
<400> 647 gaaggtgata taaaatgact gtcatcattt ggagtgtgca gtacagttac ttcatgttcc tcaggtttag aacaatttcc cctgcaagtt ctcacacaga taggcagaaa tcataactaa ttttggttaa tcactatggc agccgttgaa gaatttaaga gaacctgcca gtaagatttg gaataagatt ctatattatt gcatccacag aaaagaatgt actgatatac tataaactct aggagaaaac ttaattgaaa tagtgttatt aagtgttgaa agtaccataa aaatataagg gaaaataagc tttcctagaa tttttcagtg ttctagttt taaacagtga tgtttttat taacctattt catccattca aagacagg	60 120 180 240 300 360 388
<210> 648 <211> 632 <212> DNA <213> Homo sapien <220> <221> misc_feature <222> (1)(632) <223> n = A,T,C or G	
<pre><400> 648 cctggctggg cntttgacct gcgnttttaa atnactcaca gagggtggga caggaggaag agtgaaggaa aaggtcaaac ctgttttaag ggcaacctgc ctttgttctg aattggtctt aagaacatta ccagctccag gtttaaattg ttcagtttca tgcagttcca atagctgatc attgttgaga tgaggacaaa atcctttgtc ctcactagtt tgctttacat ttttgaaaag tattatttt gtccaagtgc ttatcaacta aaccttgtgt taggtaagaa tggaatttat taagtgaatc agtgtgaccc ttcttgtcat aagattact taaagctgaa gccaaaatat gcttcaaaag aagaggactt tattgttcat tgtagttcat acattcaaag catctgaact gtagtttcta tagcaagcca attacatcca taagtggaga aggaaataga tagatgtcaa agnatgattg gtggaggag caaggttgaa gataatctgg ggttgaaatt ttctagttnt cattccgtac atttttagtt agacatcaga tttgaaatat taatgttacc tcctcaatgg ggtggtatca gacctgcccg ggcggncgnn tc</pre>	60 120 180 240 300 360 420 480 540 600 632
<210> 649 <211> 300 <212> DNA <213> Homo sapien <220> <221> misc_feature <222> (1)(300) <223> n = A,T,C or G	

<211> 293

```
<400> 649
                                                                         60
nggtgaagat agaanaaata taagcgaaat tggataaaat agcactgaaa aaatgaggaa
                                                                        120
attattggta accaatttat tttaaaagcc catcaattta atttctggtg gtgcagaagt
                                                                        180
tagaaggtaa agcttgagaa gatgagggtg tttacgtaga ccagaaccaa tttagaagaa
tacttgaagc tagaagggga agttggttaa aaatcacatc aaaaagctac taaaaggact
                                                                        240
                                                                        300
ggtgtaattt aaaaaaaact aaggcagaag gctttggaag agttagaaga atttggaagg
      <210> 650
      <211> 498
      <212> DNA
      <213> Homo sapien
      <220>
      <221> misc feature
      <222> (1)...(498)
      <223> n = A, T, C \text{ or } G
      <400> 650
                                                                         60
ngtnetgnta aacagaaggg tacaangeee ttetggettt aageagteat aggaatgtga
cagacattcc tcttagggag cgcctcctcc tagggtttcc tcatctgtct cacactgagt
                                                                        120
ggatgtaatg ctattttaat cctgctgtgg cccccaatac tagtacttgt ccataccttc
                                                                        180
                                                                        240
ttgcattttt agcgtctgct ctgtggggtt gttaggccct ggcactccca ggaactagtg
ctaaagctgc atctntctct cccctctagg gatcgataaa gtttcactgc agaaagtctc
                                                                        300
cactgeggta tgctgacate tgeeetgaae etteaeceta cageattaea ggetttaate
                                                                        360
agattetget ggaaagacae aggetgatee aegtgaeete ttetgeette aetgggetgg
                                                                        420
                                                                        480
ggtgatcctt ggtgcctttg tttccacaag gccttttcct gccccctgcc ttgccaaaga
                                                                        498
catttaatca gcacacag
      <210> 651
      <211> 654
      <212> DNA
      <213> Homo sapien
      <220>
      <221> misc_feature
      <222> (1)...(654)
      <223> n = A, T, C \text{ or } G
      <400> 651
                                                                         60
ctgagggtcc ccaggtttct aaagctctca ggacgagaaa gtaggtccca agataaggag
                                                                        120
cctaaagggc ttttttcttt ctgtgtattc cttcttggcc tccaacatgg gtacagtcac
aagagcatgt aacagagaag aaggactana cctaccattt tctggataaa gaattggaaa
                                                                        180
                                                                        240
gaggatccac aggtaaccaa aaagtaccag ggaaatggca gagaaggaaa acctcaggag
accaacctca taagtggtat ttattagngc ctgggctcaa atccaaattg tacatgaata
                                                                        300
                                                                        360
tgtctggtcc tagatagggt accgaagact ttgaaagtga attttggtat atcattgccc
agattecaga etggntattg tgtgacacaa catacaggat atatetgaat agtgeteaga
                                                                        420
                                                                        480
agagtttgaa aatgcaaatg atattaaaat aaagatgaaa aagagaaagc tggtcagaac
ttgtggacat aaccettetg gatetgtnge etgattaaaa aatagttgat attetegaat
                                                                        540
                                                                        600
gaattaaaac aagatttaga gactgagcat ggtagctnat tettgtaate caacnetttg
ggagggcaag gcaanagaat tgcttgcggc caggagtttt gagaccagct tggg
                                                                        654
      <210> 652
```

```
<212> DNA
      <213> Homo sapien
      <220>
      <221> misc_feature
      <222> (1)...(293)
      <223> n = A, T, C or G
      <400> 652
ngtctgttgc actgaggtga ctaaggatac attttgagga agtagctcca agaacatttc
                                                                         60
cattttcact gtgccttcac atacatctaa tggaaatgaa cagcaccctt catccatcca
                                                                        120
cggaagcgat taagaaaagg gtgggatgga aaaattaacc caacaatatt agatcaatac
                                                                        180
gtagtattta agngtccata atgtgccagg ctgaagatgc acgggaaaac cacactagcc
                                                                        240
ggtctgtcaa gggcttgaga ataccataaa caagaaaaca gacgaaccaa ttt
                                                                        293
      <210> 653
      <211> 294
      <212> DNA
      <213> Homo sapien
      <220>
      <221> misc_feature
      <222> (1)...(294)
      <223> n = A,T,C or G
      <400> 653
                                                                         60
ngtccaccac tgcagcccta catacagttg aaaaaaaatt ccattctgtt aacatttgtt
ttataagttt tcacgcaata cacaaaaaac ccctctgcac ttcttgtaaa gaacaaaaaa
                                                                        120
gatacacaac agttaagcgt aaagatcaca ggcaatagca ttcaaacatg gatgtgggta
                                                                        180
gagaaaggag tacctggcat gagtacctgc ttagtttgac tgaatccttg atttttaatt
                                                                        240
tggcttttca tgggccgctc acaacaccaa cgctgtgtga ggtatggtag tcag
                                                                        294
      <210> 654
      <211> 250
      <212> DNA
      <213> Homo sapien
      <400> 654
                                                                         60
ctgtccttga acaagtatca atgtgtttat gaaaggaaga tctaaatcag acaggagttg
                                                                        120
gtctacatag tagtaatcca ttgttggaat ggaacccttg ctatagtagt gacaaagtga
aaggaaattt aggaggcata ggccatttca ggcagcataa gtaatctcct gtcctttggc
                                                                        180
                                                                        240
agaagctcct ttagattggg atagattcca aataaagaat ctagaaatag gagaagattt
                                                                        250
aattatgagg
      <210> 655
      <211> 494
      <212> DNA
      <213> Homo sapien
      <400> 655
ccattataat tttataacac cattaccctt taaattctac cgattataag cagcgtaaaa
                                                                         60
gtaactatat aaagcaaaca tcgcaaagga actctgcagg agctcttaat tcctttatgt
                                                                        120
agctatcata aaattcactt tcctgaagac atttactctc attcacttcc aaactccaaa
                                                                        180
cctttttctg gtagcaccac ttttgttttt aatagaaaga tgagttcata tctgtacatc
                                                                        240
```

tctccaaagc tctaaggaat gagaaaagga tcctagtata ttgaaattac tgatgtttaa tacctctgcc ttttcactaa aagccattta atatttttaa agtcaaaact tgacatacag gtatttataa ggaatctcca tgactctgaa ggaatgaaat tgatgtaggt agctttggct atgtaaagac atagtagagg acaattactt aaagaagagt tttcttttga ggatttgtag atttgactaa gcag	300 360 420 480 494
<210> 656 <211> 477 <212> DNA <213> Homo sapien	
<pre><400> 656 cgcgttactg tacatattgc tagcaggaga caactggaaa tactaaacaa atactggaat tcacattaca gacagacgaa accaacatgg atgccacaca taacttcctt tgtagtttca cagagggcct atttgtggtt gctcaggtgg ggtcatacat tgcttgcaga aatggcctga tcatagctct atgaaacaat gaattcggaa tgaaatctta ccatgacacc tctctgtagg aaagaaatgt tgcttcacgt gtgctaagtt gagataataa tatttcacat atttatatac agagaatcac tctcaaattt aacccaagat aagcaatagg atttggggt gacttgtaca catttctaac aacacttttc tttttctag aggtcactct caaacactga tatatcacta tagtttgagt gtagggattc agtaatcaaa ggttgttatt gcaaaagagc caggcag</pre>	60 120 180 240 300 360 420 477
<210> 657 <211> 576 <212> DNA <213> Homo sapien	
<220> <221> misc_feature <222> (1)(576) <223> n = A,T,C or G	
<pre><400> 657 cctctacctg tanatcacta tttttctaaa gacaatttgg tgttttgaag ataaatgtca ttagtctatg ataatagcat cataggacaa ttagccatt tagacttgac catatttct ctttttagca tatagccatc ttgatattta ggtgggagac tactccaatg gagcaacagt ttcattttac atgattggat ttagaaattt acaaatttta aactcataag aattctaaat aatttgaaaa tggaaacatt tgacccacag tctagcagca taaatacatt tataaaatac ttcattgttg atcttaggtc attgatttaa aacagaattt ggtgactatg ggcaggtgga gggggccagt gaggaaggta taaaagagaa atctttatga attgtgttca gattgatttt gtataaacat aatatatca tggttgtatc tcttatttat aatacccaac taacatgaag gtggtccaag ggaaggatca atattttaaa taacatattt gcttaaaata tcatacagtg gctgcttcat aaaaaatctt ataaactttt attacc</pre>	60 120 180 240 300 360 420 480 540 576
<210> 658 <211> 344 <212> DNA <213> Homo sapien	
<220> <221> misc_feature <222> (1)(344) <223> n = A,T,C or G	
<400> 658	

cctgaaaaga aagntgctct tatggactct tgcatgttaa gactatgtct tcacatcatg gtgcaaatca catgtaccca atgactccgg ctttgacaca acaccttacc atcatcatgc catgatggct tccacaaagc attaaacctg gtaaccagag attactggtg gctccagcgt tgttagatgt tcatgaaatg tgaccacctc tcaatcacct ttgagggcta aagagtagca catcaaaagg actccaaaat cccataccca actcttaaga gatttgtcct ggtacttcag aaagaatttt catgagtgtt cttaattggc tggaaaaagca ccag	60 120 180 240 300 344
<210> 659 <211> 230 <212> DNA <213> Homo sapien	
<pre><400> 659 ctgctttccc tgctaaacag ttccagagca aaagcagcaa aaagaaaata tgggagggat atgggcaacg tatactcgaa cgtacgcaga gaagagagta cggttagctc taatatttct cattgaactt ggtggtatgt gccttccctg catataaggc catagtgctt ttttgggagc gctagaatat ccatccactt gacagtgacc acaaaatagg ctgtttccag</pre>	60 120 180 230
<210> 660 <211> 80 <212> DNA <213> Homo sapien	
<pre><400> 660 ctggtccttg ttaaactcga tcaccacttt ggagagatcg actggaggct cctgggtgtt ctgaggggcc tgggggacag</pre>	60 80
<210> 661 <211> 535 <212> DNA <213> Homo sapien	
<220> <221> misc_feature <222> (1)(535) <223> n = A,T,C or G	
ctgaaccata tctgattaac tctttggtct ctgttattgg aacaaaaccg acgctatgcc tgcagccgcc agactgcaac caaaaacaca gtttggggtc agaagacatt aaaaatcaca ataaaatagg atgaatgttc taagtcacgc aactgaatca aggcaaccttt ttttttcaaa agcaaaaagt tgtttaacaa tattccagaa tagtagatac ttcaaaaacc agattacagt atatacatt ttgctgcaca ttttagtcta ttttctgtat acatagtcac acattcttta ccctctccca acttatacat gctttatccc cccagtcatg tgctatgtag gtataaaaaa ataaagttgt atctaaacaa gtgatttaaa aaaaaaaact aacgaatgcc ncnatnataa cnctgaactt gtttccctnt tgaaggacat tggaaatgtt accgaggttn ntttacctng gccgcaaccn cnctangggc naattccagc ncactggggg ccgttactag gggat	60 120 180 240 300 360 420 480 535
<210> 662 <211> 257 <212> DNA <213> Homo sapien	
<400> 662	

cctgactaaa gcacatatca cactccctac acttccatgt tttctctccc atgtggaccc tctgatgcat atcaagattc aagcgcctgt tgtagccctt cccacagtcc tcacatttgt atggcttttc tacactgtga actttttctt gcactttaga gaatgaattc tgtacaatgt tcttcccatg ctgctcacat ttgagaggtg tttctctgct gtggcgtctc tgatgggtca gacgagttga ggaccag	60 120 180 240 257
<210> 663 <211> 516 <212> DNA <213> Homo sapien	
<220> <221> misc_feature <222> (1)(516) <223> n = A,T,C or G	
caattatag gtatttatt ttttaaagat tagagngttc ttgaagctct ttctatttct ttgtcaatga actaaacatt ggcaaatatg tagggtttcc cacataagaa cattattaac atcaaaatag aaagctggtg gtagaaataa tgattgggaa cacagagtct ctactcagcg ttctacttct gccataccat aactttgtga tctcacgaaa tatctctcca tgttctact cctatgtata gttctgtcat ttttcaataa gagctttttg cttaattatg aagtactagt tactataacc attatttga gcttcatgta aatcaagaac acattggacc cacttgcaaa acattgaaaa tgtagttagg gattggggc aaaaaagcaac attttaaaat gtgtaaaagac aatgagtaag caacaaagtg tccaatttt taggcgaaag ttgcatatgt caggaaaagg caggattaag taatagagaa tttgaatgat aactgg	60 120 180 240 300 360 420 480 516
<210> 664 <211> 212 <212> DNA <213> Homo sapien	
<400> 664 gtccgaggag gttagttgtg gcaataaaaa tgattaagga tactagtata agagatcagg ttcgtccttt agtgttgtgt atggctatca tttgttttga ggttagtttg attagtcatt gttgggtggt aattagtcgg ttgttgatga gatatttgga ggtggggatc aatagagggg gaaatagaat gatcagtact gcggcgggta gg	60 120 180 212
<210> 665 <211> 408 <212> DNA <213> Homo sapien	
<220> <221> misc_feature <222> (1)(408) <223> n = A,T,C or G	
<pre><400> 665 atccaggggt neceggtnge tgengggaaa cetecageet tgttetteaa accaeteage teatgtgttt tgegetgaet agtaetgaat aatacaacea etettattta atgttagtat tatttatttg acaaeteagt gtetaaeage ttgatatgea ggteettgea teetacattt etttaggaag ttaeecattt gtaaetttaa aaaeaggaaa aatateagtt ggeaaatgea atetttttt tttttaaget aaaggggggn naaengnaan naaaatnttt ntgangtngg</pre>	60 120 180 240 300

gtctataagc acccttgang ggatntgtta aaagngncat naanggggga ttctcntttn gcaaaaaaat ntaannatca atttatanan ctttatttt nactttnt	360 408
<210> 666 <211> 635 <212> DNA <213> Homo sapien	
<220> <221> misc_feature <222> (1)(635) <223> n = A,T,C or G	
ctgaagnaca agggtcaggc aaaaataaga tcacaatcac caatgaccag aatcgcctga cacctgaaga aatcgaaagg atggttaatg atgctgagaa gtttgctgag gaagacaaaa agctcaagga gcgcattgat actagaaatg agttggaaag ctatgcctat tctctaaaga atcagattgg agataaagaa aagctgggag gtaaaccttc ctctgaagat aaggagacca tggaaaaagc tgtagaaga aagattgaat ggctggaaag ccaccaagat gctgacattg aagacttcaa agctaagaag aaggaactgg aagaaattgt tcaaccaatt atcagcaaac tctatggaag tgcaggcct cccccaactg gtgaagagga tacagcagaa aaagatgagt tgtagacact gatctgctag tgctgtaata ttgtaaatac tggacccagg aacttttgtt aggaaaaaaat tgaaagaact tanctctcga atgtcattgg aatcttcacc tcacagtggn gttgaaactg gtgggngggg ggagaaagaa agaan	60 120 180 240 300 360 420 480 540 600 635
<210> 667 <211> 388 <212> DNA <213> Homo sapien	
<pre><400> 667 gaaggtgata taaaatgact gtcatcattt ggagtgtgca gtacagttac ttcatgttcc tcaggtttag aacaatttcc cctgtaagtt ctcacacaga taggcagaaa tcataactaa ttttggttaa tcactatggc agccgttgaa gaatttaaga gaacctgcca gtaagatttg gaataagatt ctatattatt gcatccacag aaaagaatgt actgatatac tataaactct aggagaaaac ttaattgaaa tagtgttatt aagtgttgaa agtaccataa aaatataagg gaaaataagc tttcctagaa ttttcagtg ttctagtttt taaacagtga tgtttttat taacctattt catccattca aagacagg</pre>	60 120 180 240 300 360 388
<210> 668 <211> 498 <212> DNA <213> Homo sapien	
<220> <221> misc_feature <222> (1)(498) <223> n = A,T,C or G	
<400> 668 tgatcttaac aaaattcgta gcagtggaac cttgaaatgc atgtggctag atttatgcta aaatgattct cagttagcat tttagtaaca cttcaaaggt ttttttttgt ttgttttcta gacttaataa aagcttagga ttaattagaa gaagcaatct agttaaattt cccatttgta	60 120 180

ttttatttc ttgaatactt ttttcatagt cactttggtc agaaaaataa taaatatatc ttttattcag tagatttttg tttggcatca aaaaggctat agagtccaaa ggaatgttct gaggaatttg ttttcgcctt acttttttt gttnttaata tgagattt	ttatgaatgt tgttgaagca tttacaccaa	ttgattccct ccgaaagata ttcttccttt	tccttgctat aatgattttt aaaaatntct	240 300 360 420 480 498
<210> 669 <211> 622 <212> DNA <213> Homo sapien				
<pre><400> 669 ccttagccaa agaatgcagt ggagccttcc ttaacagcat aaaaattaat agtcccatat gatgtcccta tcctgttgta gtgaacacaa tataaagtct tggtaaaaca gcattactat gaggaaaagt gaaaaggact taggctttag cctgtaataa gctgagtgca aaaggatgcc aagcactgca gagaacaggg tatgaagaaa ctttgttcaa ggtaaccttg ccaaaagggc tagctctaca ctgcattga aaataaaatt aatgtgcttt ttacactgca ggtcaatata</pre>	cagatctgga tagcagaaaa gaagaggatg tcctccatga gaagaaaatc ataaagagtt agagtaggtg tgcccatttt	aggggtttct ttctttctgg aactcaccta cttttcttaa tgcacccaga cttaataaac gcaaagagtt gaatatattg	ggggctgtct gtccatctgc ccttcagatg gcactaccta agctgttaga ccttaagatt gcttttaatc tttataatta	60 120 180 240 300 360 420 480 540 600 622
<pre>ttatgttcat ttgctcacag ca <210> 670 <211> 477 <212> DNA <213> Homo sapien</pre>				
<pre><400> 670 ttgggccctc tagatgcatg ctcgagcggc cccttgccgc ccgggcaggt gatggatgag gatatctaca aggctaataa cattgcctat ccagtagagg agaaaataga gagtcaaacc atagaaaaaa atgaacaaat caacgatgag gaagaagatc ttcggaaaga gagtaaagac gcctatttga aaaggttagt aaatgctgca ggggaaaggg ccaccaggct ttttgagaaa</pre>	gagcaaaaac gaagatgtgg caggaagagg atgaaacgct caactctcag ggaagtggga	tttatacgga tcgggggaga tgagagacag cagggcagct atgatgtctc ggttacagaa	tgatgaagat agactggaac caaagagaat tggcatccag caaagtaatt tgggcaaaat	60 120 180 240 300 360 420 477
<210> 671 <211> 127 <212> DNA <213> Homo sapien				
<400> 671 gtgtgtgtgt ctacttgggc gtgtttaacg tgtgtgtgcg cgtgtatttc agtttgggtt acctgag	tgtgcgtttg gccggatccc	tgtctgcgtg atatgattgc	tgcatgtgtc gtgcctgtgt	60 120 127
<210> 672 <211> 400 <212> DNA				

<213> Homo sapien

<pre><400> 672 gggtctgcac agctatgtta acagcatcct tataccagga gtaggaggaa agacacgact ggaaaagcaa ttcaagctgg tcacacagtg taatgcaaaa tatgtggaat gttcagtgc tcagaaagag tgtaacaaag aaaagaacag aaactcttca gttgtgccat ctgagcgtgc tcgagtgggt cttgcaccat tgcctggaat gaaaggaaca gattacatta atgcttctta tatcatgggc tattatagga gcaatgaatt tattataact cagcatcctc tgccacatac tacgaaagat ttctggcgaa tgatttggga tcataacgca cagatcattg tcatgctgcc agacaaccag agcttggcag aagatgagtt tgtgtactgg</pre>	60 120 180 240 300 360 400
<210> 673 <211> 600 <212> DNA <213> Homo sapien	
<220> <221> misc_feature <222> (1)(600) <223> n = A,T,C or G	
ctggcgttgc tcattagtga atgtatgaca gcaggatgtg aggggatgcc caggagtcag tgttagcatt gtcatctgag atcactgcta ttaatatcat ccattaattt attagtgagc ttcactatat gcagactggg agataaggag aaaatctgtc acattctct tagctaatca gatcagctac caattaatga gattctgaat gaaaatatcaa tatgtgtttt tctaatttgg acctaggaca gagctgttgc ttgtcataga gaaaaacaat aatgcttaaa catagcacat tataattaaa gcaggtttct cacatacttt tcattttatc ctttggataa ttttgtgagg aacgaggac accaacttcc ctttcataga tacaatcccc atgctattga tgaaagtgtt tttgaatgaa gccatacaac aaataactga tcaaagtggc attacaccaa aatttcttag aggagaaact gggttctttg ggagggtttc ggtgctacat ttataccctn catcagagtn	60 120 180 240 300 360 420 480 540 600
<210> 674 <211> 140 <212> DNA <213> Homo sapien <400> 674	60
ggtggttggt gtaaatgagt gaggcaggag tccgaggagg ttagttgtgg caataaaaat gattaaggat actagtataa gagatcaggt tcgtccttta gtgttgtgta tggctatcat ttgttttgag gttagtttga	120 140
<211> 245 <212> DNA <213> Homo sapien <400> 675	
gttgggtggt tggtgtaaat gagtgaggca ggagtccgag gaggttagtt gtggcaataa aaatgattaa ggatactagt ataagagatc aggttcgtcc tttagtgttg tgtatggcta tcatttgttt tgaggttagt ttgattagtc attgttgggt ggtaattagt cggttgttga tgagatattt ggaggtgggg atcaatagag ggggaaatag aatgatcagt actgcggcgg gtagg	60 120 180 240 245

```
<210> 676
      <211> 621
      <212> DNA
      <213> Homo sapien
      <220>
      <221> misc_feature
      <222> (1)...(621)
      <223> n = A, T, C or G
      <400> 676
ctgtccccag ggnaaatagt ngaattcaac taagatctgt taataagatg tcagaataac
                                                                         60
taataatttt attaggaaaa aatcatgttt taaatttcaa aatgacactt atttgtcaag
                                                                        120
taatatgatc ttggaaaatt ttaaagaaaa ataatcctac ttataaacta ctttttata
                                                                        180
attgttttca gaaaaaaagt ttacagtctt aaggaaaata ttcaggtcta tcatatggtt
                                                                        240
tgacagattt tttaaaagtt atttttggta aggtcttctt ttagaaaaaa attaatctca
                                                                        300
agggtttttt gtaccactat aatctctaat acttactcag aattactgtg tatttactta
                                                                        360
atttcttatt atgtgcctta ttatgtgctt aagatacaat aggttagagt ttaatctaaa
                                                                        420
tatcttgaaa gctatattgt gggcttggta agcattttgt tttttctttc tctgttttgg
                                                                        480
taaggattta aaattttttt cattgcaatt ttaagtggtt ttcaataagt aatagttttt
                                                                        540
atcaaatttt tggtgcttgg tgcagagacg gcgtggggaa gggtgaatgg ttttgggaat
                                                                        600
                                                                        621
aattcagtgc acacctgggg g
      <210> 677
      <211> 210
      <212> DNA
      <213> Homo sapien
      <220>
      <221> misc_feature
      <222> (1)...(210)
      <223> n = A, T, C \text{ or } G
      <400> 677
                                                                         60
tttacataan atattatcag catttaccat ctcacttcta ggaatactag tatatcgctc
                                                                        120
acacctcata tectecetae tatgeetaga aggaataata etateaetgt teattatage
tactctcata accctcaaca cccactccct cttagccaat attgtgccta ttgccatact
                                                                        180
                                                                        210
agtetttgcc gcctgcgaag cagcggtagg
      <210> 678
      <211> 383
      <212> DNA
      <213> Homo sapien
      <220>
      <221> misc_feature
      <222> (1)...(383)
      <223> n = A,T,C or G
      <400> 678
gtaggagtca ggtagttagg gttaacgagg gtggtaagga tgggggggaat tagggaagtc
                                                                         60
agggttaggg tggttatagt agtgtncatg gttattagga aaatgagtag atatttgann
                                                                         120
                                                                         180
aactgattaa tgtttgggnn tgagtttnta tatcacagcc anaattntat gatgnaccat
gtancgaaca atgctacagg gatgaatatt atggagaagt antctanttt gaagcttagg
                                                                         240
```

gagagetggg ttgtttgggt tgnggetean tgteagttee anataataae ttettggtet aggeacatga atattgttgt ggggaanaga etgataataa aggtggatge gacaatggat tttacataat gggggtatna gtt	300 360 383
<210> 679 <211> 371 <212> DNA <213> Homo sapien	
<pre><400> 679 aaaatgaaaa tattgacaag agtttcagat agaaaatgaa aaacaagcta agacaagtat tggagaagta tagaagatag aaaaatataa agccaaaaat tggataaaat agcactgaaa aaatgaggaa attattggta accaatttat tttaaaagcc catcaattta attctggtg gtgcagaagt tagaaggtaa agcttgagaa gatgagggtg tttacgtaga ccagaaccaa tttagaagaa tacttgaagc tagaagggaa agttggttaa aaatcacatc aaaaagctac taaaaggact ggtgtaattt aaaaaaaact aaggcagaag gcttttggaa gagttagaag aatttggaag g</pre>	60 120 180 240 300 360 371
<210> 680 <211> 176 <212> DNA <213> Homo sapien	
<pre><400> 680 cctaggattg tgggggcaat gaatgaagcg aacagatttt cgttcatttt ggttctcagg gtttgttata attttttatt tttatgggct ttggtgaggg aggtaagtgg tagtttgtgt ttaatatttt tagttgggtg atgaggaata gtgtaaggag tatgggggta attatg</pre>	60 120 176
<210> 681 <211> 152 <212> DNA <213> Homo sapien	
<pre><400> 681 ctggagatgg atatgagact agtcaagatg tgaatgctaa ttggagagaa atataatttt aggaagatgc acattgatgt ggggttttga tgtgtctgat tttgactact caagctctgt ttacagaaga aaattgaatg gcgagggtgt gg</pre>	60 120 152
<210> 682 <211> 141 <212> DNA <213> Homo sapien	
<400> 682 ccagtgcttg cttgccgtgg tttagtgatt gggtgttaga aataaaaact caggtctatt tcttaccagt cagtaacaat ttttagagaa tgtacttggt atataatata	60 120 141
<210> 683 <211> 308 <212> DNA <213> Homo sapien	
<400> 683	

ccagcaatgg tacagagtga gggtgttctg ctaatgactt cagagaagta tttaagaaaa acatagaaaa acgtgtgcgg agtttgccag aaatagatgg cttgagcaaa gagacagtgt tgagctcatg gatagccaaa tatgatgcca tttacagagg tgaagaggac ttgtgcaaac agccaaatag aatggcccta agtgcagtgt ctgaacttat tctgagcaag gaacaactct atgaaatgtt tcagcagatt ctgggtatca aaaaactaga acaccagctc ctttataatg catgtcag	60 120 180 240 300 308
<210> 684 <211> 277 <212> DNA <213> Homo sapien	
<pre><400> 684 tggtattagg attaggatgt gtgaagtata gtacggatga gaaggttggg gaacagctaa ataggttgtt gttgatttgg ttaaaaaata gtagggggat gatgctaata attaggctgt gggtggttgt gttgattcaa attatgtgtt ttttggagag tcatgtcagt ggtagtaata taattgttgg gacgattagt tttagcattg gagtaggttt aggttatgta cgtagtctag gccatatgtg ttggagattg agactagtag ggctagg <210> 685 <211> 457 <212> DNA <213> Homo sapien</pre>	60 120 180 240 277
<220> <221> misc_feature <222> (1)(457) <223> n = A,T,C or G	
<pre><400> 685 ctgtggcgtn ccctacttct cccaaacctc gcaactccct cccaggacag tcagtgccaa agaaacaggt cgctgaaaac taaaatgtcc acatccctaa ctggcaaccc acatcaaccc caaaaggttg aagaatcatc taagatattt cagatgctct atgaagaaat tcactttaac acttataact gtaagacttt gcatacatta caacagtgca ttagtgatac aagttgtaaa atacgtttcc attcctttgg attttgcata tgatggtttt gcatcagtca ctgcaggtag attgagcaag ctttttgtgt ttgtttttt aaacatgcat tcaactagat atgattcaga atagattaat actccctttt tatcactaca gttagctaaa aaattgccag gcagtccaca aaacagaatt tgctttaaga ccaacccaca gagtcag</pre>	60 120 180 240 300 360 420 457
<210> 686 <211> 234 <212> DNA <213> Homo sapien	
<221> misc_feature <222> (1)(234) <223> n = A,T,C or G	
<400> 686 ntggatttat aaaatagttg caatgacaaa agaagtatgt tttgacagta aaaaaaagac attatggaca aaatatgcaa aatgtgcaaa gaaaaaataa atttgcatta gaaaggtggg catttgatct ctgagccctg tgccatgtaa cattgccatg ttctttcact gttgtttgaa tgttgtaccc cagcccttga ctctggactt aaggcaagct atgactggct ttgg	60 120 180 234

```
<210> 687
      <211> 315
      <212> DNA
      <213> Homo sapien
      <220>
      <221> misc feature
      <222> (1)...(315)
      <223> n = A, T, C \text{ or } G
      <400> 687
nngtctgtga aaaactcttt ggatgattct gccaaaaagg tacttctgga aaaatacaaa
                                                                          60
tatgtggaga attttggtct aattgatggt cgcctcacca tctgtacaat ctcctgtttc
                                                                         120
                                                                         180
tttgccatag tggctttgat ttgggattat atgcacccct ttccagagtc caaacccgtt
ttggctttgn gtgtcatatc ctattttgtg atgatgggga ttctgaccat ttatacctca
                                                                         240
tataaggaga agagcatett tetegtggee cacaggaaag ateetacagg aatggateet
                                                                         300
                                                                         315
gatgatattt ggcag
      <210> 688
      <211> 522
      <212> DNA
      <213> Homo sapien
      <220>
      <221> misc feature
      <222> (1) ... (522)
      <223> n = A, T, C \text{ or } G
      <400> 688
ctgaattaga ggaggagaaa agaagccatt nnggagtact ttaattgttt agatgtgaga
                                                                          60
                                                                         120
ggctgaatgt ttgggttaag atgttagttg tcagaatcat gagaaaaggt tttaagcaag
gggcatttct aattctaaaa ataacaacta ctgttattta ttgagcacta tctttttgtt
                                                                         180
                                                                         240
gggtactgtc taaagtactt gatttatttt ttaaaacctt acaaaaaact tacaaggtag
                                                                         300
gtactgaaag attcagtaat ttgttcaaag tcacacagca aataagcaac agactctgga
                                                                         360
tttgaaccag gcaatcctag agcctgtact gttagtaatt atactttagc acctgtcaag
aattcctgtt gagtgtcaag aagcaancac caagttagga tttaaagcaa acatgattga
                                                                         420
                                                                         480
agaatactgt ggtgtggttg acagtagtgc ctaagtctgt tttcagagtg aaaaatgaca
                                                                         522
aattagattt taagtatggt ttggagataa tatcaggaca gt
      <210> 689
      <211> 158
      <212> DNA
      <213> Homo sapien
      <220>
      <221> misc_feature
      <222> (1)...(158)
      <223> n = A,T,C or G
      <400> 689
tctcaactta ntntnatacc cacacccacc caanaacagg gtttgttagg nattgtttgc
                                                                          60
attaataaat taaagctcca tagggtcttc tcgtcttgct gtgtcatgcc cgcctcttca
                                                                         120
                                                                         158
cgggcaggtc aatttcactg gttaaaagta agagacag
```

```
<210> 690
      <211> 300
      <212> DNA
      <213> Homo sapien
      <220>
      <221> misc feature
      <222> (1)...(300)
      <223> n = A, T, C or G
      <400> 690
tagaactcgt atttttaaac ttctattctc tanccttttc cactacatta tgacacaaga
                                                                         60
ccctgcagaa agtcgtctgg aaaatatcag accatctctt acttgtccca tccaatctta
                                                                        120
catcgaatta tatgcaccct taaaaagtta tttggagttt taaaaaactc tattagccca
                                                                        180
aattacctga aataaactcc tggcttgttc ccctaatgtt tataaaaaat tgattgaaaa
                                                                        240
tattcatttt aaaaatgaag ntcttgaatt tatttaaatt actgtcttgc agtgagttgg
                                                                        300
      <210> 691
      <211> 305
      <212> DNA
      <213> Homo sapien
      <400> 691
ctgttcagaa agctcattgg acctggtttt gaaaataaaa caaagttaaa accctgggag
                                                                         60
gagttattgt gcagtgtgga gtactcaggc tttcttataa agaaaaaaaa agttatctgg
                                                                        120
taccaaagtg tgcaacctac agaccctcag gtactgccct gtgacttctc tgtatgacat
                                                                        180
cacaaggctg ccaagtgcct gtttttctag aactaggagt tggtgaggtt tggctagtgc
                                                                        240
tgaaaccatg cataggattg gtttactaaa ttaaaacctt attacgtacg tcctccaaaa
                                                                        300
                                                                        305
gacag
      <210> 692
      <211> 582
      <212> DNA
      <213> Homo sapien
      <400> 692
                                                                         60
caggaaatgg ataaccattt taactgtatt ttttgcagcc cgtaccttct tgggaataca
attgtctaac tttttatttt tggtctggct gttgtggtgt gcaaaactcc gtacattgct
                                                                        120
                                                                        180
attttgccac actgcaacac cttacagatg tggaagatgt gaaatttgtc atcaattatg
actaccctaa ctcctcagag gattatattc atcgaattgg aagaactgct cgcagtacca
                                                                        240
aaacaggcac agcatacact ttctttacac ctaataacat aaagcaggtg agcgacctta
                                                                        300
                                                                        360
tctctgtgct tcgtgaagct aatcaagcaa ttaatcccaa gttgcttcag ttggtcgaag
                                                                        420
acagaggtgc aggtaaggat gactgatagg aaatgttggt agttacgagt cacatcgttg
                                                                        480
tctacaaatc catttaaatg gtattggagg gtgagtaaaa ccttgaatgt gaaaacttaa
gctgaaaaat tgtaaaaaca tttcacgcct accatgaata gatctgtttc tttctgtcca
                                                                        540
                                                                        582
caatgatttg tgtcatagac ataattgatc aatttgcaat tg
      <210> 693
      <211> 275
      <212> DNA
      <213> Homo sapien
      <400> 693
```

ccaattgatt tgatggtaag ggagggatcg ttgacctcgt ctgttatgta aaggatgcgt agggatggga gggcgatgag gactaggatg atggcgggca ggatagttca gacggtttct	60 120
atttcctqag cgtctgagat gttagtatta gttagttttg ttgtgagtgt taggaaaagg	180
gcatacagga ctaggaagca gataaggaaa atgactatga gggcgtgatc atgaaaggtg	240
ataagctctt ctatgatagg ggaagtagcg tcttg	275
<210> 694	
<211> 397	
<212> DNA	
<213> Homo sapien	
<220>	
<221> misc_feature <222> (1)(397)	
$\langle 222 \rangle (1) \dots \langle 337 \rangle$ $\langle 223 \rangle n = A, T, C \text{ or } G$	
(223) II = A,1,0 OI O	
<400> 694	
nggtotgoat ttttattgog atotgoagat gaactggaaa atotoatttt acaacagaac	60
tgagacagac gaccaccata ttcactgagg tctaaatttg cagtttccac taatgacatt	120
ttgatttccc aacagagata cttctggtct tactgcacag tcttttaaga gaaatacttc	180
cattatgcca cattgtcctt gatccgtaag tgatgtgtta aggtgcttca aaggaactct	240
gacctctgaa gtacttgagc tactttagta tgtccagcct attgcttttt gttttagtgt	300
gtcaccataa atatcagggg cataaaaggc tatctattct taattcaagg ataaaacaga	360
agaagcttgt ggtataaaac aatagttcaa gatccag	397
<210> 695	
<211> 609	
<212> DNA	
<213> Homo sapien	
<220>	
<221> misc_feature	
<222> (1)(609)	
$\langle 223 \rangle$ n = A,T,C or G	
<400> 695	
ctgagcttcc atttgtcagc tagcactgng gtagtcaacc atgcgaatga ggctattttg	60
gacctcatga ttgtccagtg cctgggctga taccgnggga aacgaaattt tgtggctgcc	120
cacaaaatca tggaaaataa tgattttta gaaaacctcc actgntttgt tgtgcagcaa	180
taaataactg aaacaccaat ccaaaaaact tataaagcta taacaattaa aacagnataa	240
taatagtncc gggatacaaa aatggtcaaa ttgaagagga tacaaagcct caaagcagtc	300 360
ctcactcata anancettgt tgtatcacta aaanggcatt aaaattgaga anaaggaana	420
actagtggat taattaataa atgagaagta tccataagga aaaattaaaa ttnnattctt	420
gcttcacatt atgaaaaaat acaaacaaca gattgattaa agacttaaat gngatcaaca	540
aaatgttaaa actgtgataa gaacatttaa gaaaatagtt ctatnaccct gggataaaac attttcntcc aaggcattaa agtgttaaat gaaaagactg atncatttat tcattagaat	600
	609
ttaaattcn	009
<210> 696	
<211> 300	
<212> DNA	
<213> Homo sapien	
<400> 696	

```
ctgcaaaata agcgtgctaa attaaattgt cttaaggttt ttccacttca ttttgtgact
                                                                         60
ttgtgtggtt cgaatttctc agtattttaa ccagtgtgtt gatgttaaag tcaaaggctg
                                                                        120
cagtatgtct atattcttgc tgtactcatt ggtagtttca gtatatgtaa tgtgagttta
                                                                        180
aatagtgaaa ttgtatctca tattaacatt tcaaatgctc atattgaaaa tggaaaatag
                                                                        240
taaacacggg aattgatttt attctggttg tctataatac ttcattttaa atgtaaatgg
                                                                        300
      <210> 697
      <211> 391
      <212> DNA
      <213> Homo sapien
      <220>
      <221> misc_feature
      <222> (1)...(391)
      <223> n = A, T, C or G
      <400> 697
nngtcatgtn tgatgnatct gancaggttg ctccacaggt agctctagga gggctggcaa
                                                                         60
cttagaggtg gggagcagag aattctctta tccaacatca acatcttggt cagatttgaa
                                                                        120
ctcttcaatc tcttgcactc aaagcttgtt aagatagtta agcgtgcata agttaacttc
                                                                        180
caatttacat actctgctta gaatttgggg gaaaatttag aaatataatt gacaggatta
                                                                        240
ttggaaattt gttataatga atgaaacatt ttgtcatata agattcatat ttacttctta
                                                                        300
tacatttgat aaagnaaggc atggttgtgg ttaatctggt ttatttttgn tccacaagtt
                                                                        360
                                                                        391
aaataaatca taaaacttga acaaaaaaaa a
      <210> 698
      <211> 536
      <212> DNA
      <213> Homo sapien
      <220>
      <221> misc feature
      <222> (1)...(536)
      <223> n = A, T, C \text{ or } G
      <400> 698
ctgagcatac agcaataaaa ataacataat ttttatgtgt acaatattta tggaatacgt
                                                                         60
tactggaaca gataaataat ttagttaata acatgacaaa gaacagaaat tgtatacact
                                                                        120
atacagcata gtaatagaat aatgaatgat taaagttatt aatattaggt agaaaatgaa
                                                                        180
                                                                        240
gggtatcttt gagagcagaa ctcaaggaag caagcaattt gccttatgag gaaagagtta
cctgtggata aaggagaaac tgaaaaattt acaagtcaag actttttgag caaagacaaa
                                                                        300
aatatgacta tgagtcacca attcagtaca gtgaaaaaaa agttgaagag atatcttgga
                                                                        360
                                                                        420
agtaaaccat gttgtggaag agcagggttt tgataatcat gggattattc tgaatgaatt
ttaaatgcga taggaatata tgagataatt tcaccagaga ataatatgat catgtttgca
                                                                        480
tttcaaaggg gtgtatctgg tgcactgngt agaataaata ggntatgtga gcaagt
                                                                        536
      <210> 699
      <211> 419
      <212> DNA
      <213> Homo sapien
      <220>
      <221> misc_feature
      <222> (1)...(419)
```

<223> n = A,T,C or G

<223> n = A,1,C Of G	
<400> 699	
ngtccacctg agggcaggtg acaaggacct gacagagccc atgcagggct ttagatttgg	60
acacacaaga gttgataact tcctcatgaa ctccttgcct gatctaaact catattatgg	120
gttctgactg tttgagtaat catcttcaag gttaaacctc ttggcagtta cccttttcac	180
aaagtgcaca gtgggaatcg agaatcgata gggttaattt tggagcagtg gcttatacca	240
ttcacctctg tttttttgtg attatttcac agataatgag accttaataa caaataggcg	300
taaaaaaatt ttcacattga aatgatagaa acatttgatg taataaaact tggttggctt	360
gatattttaa ggaattgaaa cctagcaatc ttattggaga gacaagaatt ggtctccag	419
<210> 700	
<211> 336	
<212> DNA	
<213> Homo sapien	
.400. 700	
<400> 700 ccacttattg tccttaaaaa tccatactga tacatggaca gtaagtgtgt tttcagatgg	60
agtaccagca ccgaaaatgg gttgagggag gatgggttgt atgtatgttt ctgcccacta	120
attttgagca gccatattat gaattaaatc gtcacagcca agtaataacc caagaatggt	180
atgagtttca tgtgtaatag ctcaaatgga ataagcatga atgctggagt ggaccattat	240
cctcaaatat tctatgtcac ttctcattta aagactcttg ttatgaacta ttagaaactt	300
taggcaaaat caaaagtatt tgcggcaaaa taaagg	336
<210> 701	
<211> 418	
<212> DNA	
<213> Homo sapien	
.400. 701	
<400> 701 ccatgtgatg atgttgacaa cccctgaaga gcctcagtcc attgttccac gtttaagaac	60
taggaatacc aggactgatg caattctact gggtcactat cgcttgtcac aagacacaga	120
caatcagacc aaagtatttg ctgtaataac taagaaaaaa gaagaaaaac cacttgacta	180
taaatacaga tattttcgtc gtgtccctgt acaagaagca gatcagagtt ttcatgtggg	240
gctacagcta tgttccagtg gtcaccagag gttcaacaaa ctcatctgga tacatcattc	300
ttqtcacatt acttacaaat caactggtga gactgcagtc agtgcttttg agattgacaa	360
gatgtacacc cccttgttct tcgccagagt aaggagctac acagctttct cagaaagg	418
<210> 702	
<211> 261	
<212> DNA	
<213> Homo sapien	
.220.	
<220> <221> misc_feature	
<222> (1)(261)	
$\langle 223 \rangle$ n = A,T,C or G	
(223) II = 11/1/0 01 0	
<400> 702	
qqqcctqttq tgggggtggg ggaagcaggg aggggaacag ctaaataggt tgctgttgat	60
ttggttaaaa aatagtaggg ggatgatgct aataattagg ctgngggtgg ttgtgttgat	120
tcaaattatq tqttttttgg agagtcatgt cagtggtaga aatataattg ttgggacnat	180
tagntttagc attggagtag gtttaggtta tgtacgtagt ctaggccata tgtgttggan	240
attgagacta gtagggctag g	261

<211> 266

```
<210> 703
      <211> 261
      <212> DNA
      <213> Homo sapien
      <220>
      <221> misc feature
      <222> (1)...(261)
      <223> n = A, T, C or G
      <400> 703
gggcctgttg tgggggtggg ggaagcaggg aggggaacan ctaaataggt tgctgttgat
                                                                         60
ttggttaaaa aatagtaggg ggatgatgct aataattagg ctgngggtgg ttgtgttgat
                                                                        120
tcaaattatg tgttttttgg agagtcatgt cagtggtagt aatataattg ttgggacnat
                                                                        180
tagntttagc attggagtag gtttaggtta tgtacgtagn ctaggccata tgtgttggag
                                                                        240
                                                                        261
attganacta gtagggctag g
      <210> 704
      <211> 381
      <212> DNA
      <213> Homo sapien
      <220>
      <221> misc_feature
      <222> (1)...(381)
      \langle 223 \rangle n = A,T,C or G
      <400> 704
ngtntgaatt ctattaaaga tacaaagagg agctggtacc atttcttctg aaactattac
                                                                         60
aaacaactga aaaggtggaa tttctcccta attcatttta ggaggccagc attatactga
                                                                        120
                                                                        180
taccaaaacc tggcagaggt acaataataa aaggaaactt caagtcagta tcactgatga
acaccaatgt gaaaatcctc aataaaatac tggcaaactg aattcagcag cacatcaaaa
                                                                        240
agctaatcca ccacaatcaa gtcagcttca tccctgcgat gcaagtctgg ttcaacatat
                                                                        300
gcaaatcaat aaatacaatt catcagataa acagagctaa agacaaaatt cacatgattt
                                                                        360
                                                                        381
tctcaataga tgcagaaaag g
      <210> 705
      <211> 477
      <212> DNA
      <213> Homo sapien
      <400> 705
ctgaaccctc gtggagccat tcatacaggt ccctaattaa ggaacaagtg attatgctac
                                                                         60
ctttgcacgg ttagggtacc gcggccgtta aacatgtgtc actgggcagg cggtgcctct
                                                                        120
aatactggtg atgctagagg tgatgttttt ggtaaacagg cggggtaaga tttgccgagt
                                                                         180
tccttttact ttttttaacc tttccttatg agcatgcctg tgttgggttg acagtgaggg
                                                                         240
taataatgac ttgttggtga ttgtagatat tgggctgtta attgtcagtt cagtgtttta
                                                                         300
                                                                         360
atctgacgca ggcttatgcg gaggagaatg ttttcatgtt acttatacta acattagttc
ttctataggg tgatagattg gtccaattgg gtgtgaggag ttcagttata tgtttgggat
                                                                         420
tttttaggta gtgggtgttg agcttgaacg ctttcttaat tggtggctgc ttttagg
                                                                         477
      <210> 706
```

```
<212> DNA
     <213> Homo sapien
     <220>
     <221> misc_feature
     <222> (1)...(266)
     <223> n = A, T, C \text{ or } G
      <400> 706
60
ggaggttagt tgtggcaata aaaatgatta aggatactan tataagagat caggntcgtc
                                                                      120
ctttagtgtt gtgtatggct atcatttgtt ttgaggntag tttgattagt cattgttggg
                                                                      180
                                                                      240
tggtaattag tcggttgttg atgagatatt tggaggtggg gatcaataga gggggaaata
                                                                      266
gaatgatcag tactgcggcg ggtagg
      <210> 707
      <211> 358
      <212> DNA
      <213> Homo sapien
      <220>
      <221> misc_feature
      <222> (1)...(358)
      <223> n = A, T, C \text{ or } G
      <400> 707
ccatcagaga aatgcaaatc aaaaccacaa tgagatacca tctcacacca gttagaatgg
                                                                       60
caatcattaa aaagtcagga aacaacaggt gctggagagg atgtggagaa ataggaacac
                                                                      120
ttttacaccg ntggtgggac tgtaaactag ttcaaccatt gtggaagtca gtgtggcgat
                                                                      180
tecteaagga tetagaacta gaaataccat ttgacccage eggecaatat teaacattet
                                                                      240
taaaggaaag aattttcaac ccagaatttc atatccagcc aaactaagct tcgttagtga
                                                                      300
aggagaaata aaatacttta cagacaagca aatactgaga gattttgtca ccaccagg
                                                                      358
      <210> 708
      <211> 491
      <212> DNA
      <213> Homo sapien
      <220>
      <221> misc feature
      <222> (1)...(491)
      <223> n = A, T, C \text{ or } G
      <400> 708
cctactatgg gngttaaatt ttttactctc tctacaaggt tttttcctag tgtccaaaga
                                                                       60
                                                                      120
gctgttcctc tttggactaa cagttaaatt tacaagggga tttagagggt tctgtgggca
aatttaaagt tgaactaaga ttctatcttg gacaaccagc tatcaccagg ctcggtaggt
                                                                      180
                                                                      240
ttgtcgcctc tacctataaa tcttcccact attttgctac atagacgggt gtgctctttt
                                                                      300
agetgttett aggtageteg tetggttteg ggggtettag etttggetet eettgeaaag
                                                                      360
ttatttctag ttaattcatt atgcagaagg tataggggtt agtccttgct atattatgct
tggttataat ttttcatctt tcccttgcgg tactatatct attgcgccag gtttcaattt
                                                                      420
ctatcgccta tactttattt gggtaaatgg tttggctaag gttgtctggt agtaagggng
                                                                       480
                                                                       491
gagtgggttt g
```

```
<210> 709
      <211> 460
      <212> DNA
      <213> Homo sapien
      <220>
      <221> misc feature
      <222> (1)...(460)
      <223> n = A, T, C \text{ or } G
      <400> 709
nggttttttt tgtagagcaa ataatttatg caaaatatgt tacaaaatct gggatgctaa
                                                                         60
atagttgaca caagtactgt gtttgacatt tagtttcatt tgaattagta atagaatttg
                                                                         120
ctccttccaa catttacatc ttttttcttt ctgactttat atattttcaa taaaaatttg
                                                                         180
ctccacagtt tttaagntca ttcttcttga atccgntttt acatttgctg ngacaaacct
                                                                         240
gcataaaact agattttata gatataactt ctttggaaga gataaaaatt caaaagtttg
                                                                         300
acattgettt canttattet tttetteatt gttttgattg geceetgtta gattgatgta
                                                                         360
ttgccaatct acttttgatg gcatgaatnt aaaatgacaa cataaaaagc ncttctagtg
                                                                         420
                                                                         460
caacagtaat tgaaacttgc agttttccat taaaaaaaaa
      <210> 710
      <211> 542
      <212> DNA
      <213> Homo sapien
      <220>
      <221> misc_feature
      <222> (1)...(542)
      \langle 223 \rangle n = A,T,C or G
      <400> 710
ctgttacagt gacaagagat aaaaagatag acctgcagaa aaaacaaact caaagaaatg
                                                                          60
tgttcagatg taatgtaatt ggagtgaaaa actgtgggaa aagtggagtt cttcaggctc
                                                                         120
ttcttggaag aaacttaatg aggcagaaga aaattcgtga agatcataga tcctactatg
                                                                         180
cgattaacac tgtttatgta tatggacaag agaaatactt gttgttgcat gatatctcag
                                                                         240
aatcggaatt tctaactgaa gctgaaatca tttgngatgt tgtatgcctg gtatataatg
                                                                         300
tcagcaatcc caaatccttt gaatactgtg ccaggatttt taagcaacac tttatggaca
                                                                         360
                                                                         420
gcagaatacc ttgcttaatc gtagctgcaa agtcagacct gcatgaagtt aaacaagaat
acagtatttc acctactgat ttctgcagga aacacaaaat gcctccacca caagccttca
                                                                         480
cttgcaatac tgctgatgcc cccagtnagg atatctttgt taaattgaca acaatggacc
                                                                         540
                                                                         542
      <210> 711
      <211> 394
      <212> DNA
      <213> Homo sapien
      <220>
      <221> misc_feature
      <222> (1)...(394)
      <223> n = A,T,C or G
      <400> 711
```

taggcgatag aaattgaaac ctggcgcaat agatatagta ccgcaaggga attataacca agcataatat agcaaggact aacccctata ccttctgcat	aatgaattaa	120 180 240
ctanaaataa ctttgcaagg agagccaaag ctaagacccc cgaaaccaga	tttataggna	300
aagaacaget aaaagageac accegtetat gtageaaaat agtgggaaga	tettaettea	360
gaggcgacaa acctaccgag cctggtgata gctggttgtc caagatagaa	tettagetea	394
actttaaatt tgcccacaga accctctaaa tccc		3,74
<210> 712		
<211> 552		
<211> 332 <212> DNA		
<213> Homo sapien		
(210) 10.00 502-00		
<220>		
<221> misc feature		
<222> (1)(552)		
$\langle 223 \rangle$ n = A,T,C or G		
<400> 712		
gaggtetgta naatgeeagg eteaaatttg tetttataat ttaataceag	aaatctttcc	60
cttgtgatgt ttctttcttt ctggattgcc tctatagcag gggatagcgg	gggaggataa	120
ggcacatett tgntgtactg agaaatttga ccacgcagga tgatgtggct	gtteteatte	180 240
atctgcacag agaaaaataa tgataaaata tccctttcct atgtttactg	tagattttt	300
tgccataatg gaagcctcct tgactattta atcctttctg tcaactaggt	attacattcc	360
ttttaattta cctgttagag gtatttaana attttaacta gctanaaata aaaggaacac caaggcaaat aaatggttgg taatcagcaa aagaattaca	ttaattatta	420
ntgctactta ttagggggag aactgttttt ttttaaattt aaacaattta	ataatctcaa	480
ctgcaaataa ttttagatgc agcaaaggac tatgtagncg ttaatacctc	atgttgatat	540
tttcataata tt	acyccyacac	552
CLICALACIA CC		
<210> 713		
<211> 518		
<212> DNA		
<213> Homo sapien		
<220>		
<221> misc_feature		
<222> (1)(518)		
<223> n = A,T,C or G		
<400> 713		
ccaaaaactg gaagcagctc actaaacaaa cagtggcata cccatagaac	tgcatacttc	60
tcagcagtat gaaagaatga gctacttata taagcatcat tgataaacct	caaaaaaaaa	120
atgccacatg aanaaaccca aagggganaa acataaaaac tttatatgtc	aqtcatataa	180
aattotanaa aatgoaaact aatcoatont aaaggaaagt aaatcaacag	ttgtctggag	240
gaccananag agcaggagga ganagattat taaaggggtt aaagtaaatt	tgggagtgcc	300
cttccntttt taaatnctat gaaaatgaaa gtaaaggcnc atgcatgttg	taaactaata	360
gtaacaaaca naatgggttg gagtggggtg ttgtctgggg acatcattac	aaaatgtaag	420
ccagtttatn taaattttga aaagaccgtg gactctgatc tgactgatna	atgttggaag	480
agataagtgt gctgcaaatg ggggaattaa taaaacag		518
<210> 714		
<211> 281		
<212> DNA		
2/1/5 HOMO CADIAN		

<213> Homo sapien

<pre><400> 714 ccaattgatt tgatggtaag ggagggatcg ttgacc agggatggga gggcgatgag gactaggatg atggcg atttcctgag cgtctgagat gttagtatta gttagt gcatacagga ctaggaagca gataaggaaa atgact ataagctctt ctatgatagg ggaagtagcg tcttgt <210> 715 <211> 443 <212> DNA <213> Homo sapien</pre>	ggca ggatagttca gacggtttct 120 tttg ttgtgagtgt taggaaaagg 180 atga gggcgtgatc atgaaaggtg 240
<pre><400> 715 cttgaaatca gcaacacact tacaaatgag aaaatg gggaaagagg attatgaaga gagtcatcag agagct gaaaactgga aggagagtga agtgtataag ctacag tttctgaaga agctggggct gattagccgt gatcct gatatacgtt catgggaatt gtttctttct aatgtt tctcagtttg aagaacaaat taaggcaatt aaaaat aaagtgcaga tttctgagct ttcatttcct gcctgt cctgagtctt caggccacga tgg</pre>	gtgg ctgcagaggt atccgtactt 120 atca tggagtcaca agcagaagcc 180 gcag catatcccga catggagtct 240 acaa aagaaattga gaaagcaaag 300 ggtt cccggctcag tgaactttct 360
<210> 716 <211> 639 <212> DNA <213> Homo sapien <220> <221> misc_feature <222> (1)(639) <223> n = A,T,C or G	
<400> 716 ccaaanaaaa tgaagtacag agtctgcata gtaagcaacagttgga gcaaagacta atgcagttaa tggaataagagtctct acaaatgcag gttcaggata ttttggaaattacataa agtgattgca gaaaaggata agcagaaattacataa agtgattgca gaaaaggata agcagaaattcttatt aaaagctgaa gtgcagaaat tacaggagaagatgctgaagaagagagagagagagagaga	raga gcagaaaagg gtgaacaaag 120 ragca gaatgagget ttgaaagete 180 recte egetteagtt etageagaag 240 raaaa acagactgaa gattetttag 300 raact taaggatata cagaatatga 360 recet ggcaaatgag caggetgetg 420 ratgt taaagatgat aaaataagat 480 raaat ggaagaattt angattetaa 540 ragct gcagactett gtttetgeac 600
<210> 717 <211> 473 <212> DNA <213> Homo sapien <220> <221> misc_feature <222> (1)(473)	

<223> n = A,T,C or G<400> 717 nntgaggcta ctgctgtttt attacaacat tacctcttgt ttttataaag tgtaccaaga 60 120 tttaaattga taactttatt ttacttgaaa aaaaaaagtt tnttttatca ccagtgttac agttgtcttc tgtttctttt tgttttgntt tatttgnttt cctttttagc caaagagtga 180 acagaanatt ttcttatttt ggtggctatt cattttactt ttaaaagtga ttggtggatt 240 ttagactaat tatgggggaa tttgccacca aaataaaaaa tatgtaaagn gtagtgatta 300 cagagtggtt aaaatgtggg ttagtactta tttattccat taattgatta tttgactgtt 360 tataaagaaa gttgctttat ttctttaaac atcttcaaaa gatgatcctt tcttgtcaca 420 ttatagccaa aagaagcaga gaacttcact gtctgcattt ggttcctggt tgg 473 <210> 718 <211> 207 <212> DNA <213> Homo sapien <400> 718 ggtaaatget agtataatat ttaccatete aettetagga atactagtat ategeteaca 60 cctcatatcc tccctactat gcctagaagg aataatacta tcactgttca ttatagctac 120 180 teteataace eteaacacee acteeetett agecaatatt gtgeetattg eeatactagt 207 ctttgccgcc tgcgaagcag cggtagg <210> 719 <211> 255 <212> DNA <213> Homo sapien <220> <221> misc feature <222> (1)...(255) <223> n = A, T, C or G<400> 719 60 cctatattac ggatcatttc tctactcaga aacctgaaac atcggcatta tcctcctgct tgcaactata gcaacagcct tcataggcta tgtcctcccg tgaggccaaa tatcattctg 120 aggggccaca gtaattacaa acttactatc cgccatccca tacattggga cagacctagt 180 240 tcaatgaatc tgaggaggct actcagtaga cagncccacc ctcacacgat tctttacctt 255 tcacttcatc ttgcc <210> 720 <211> 455 <212> DNA <213> Homo sapien <220> <221> misc feature <222> (1)...(455) <223> n = A, T, C or G<400> 720 ccaatgtcga aacctacaag atttccttaa aatctctaat agaggcatta cttgctttca 60

attgacaaat gatgccctct gactagtaga tttctatgat ccttttttgt cattttatga atatcattga ttttataatt ggtgctattt gaanaaaaaa atgtacattt attcatagat

120

180

agataagtat caggtctgac cccagtggaa aacaaagcca aacaaaactg aaaaaggctg gtgttcacca aaaccaaact tgttcattta gataatttga	aaccacaaaa aaaagctcca	240 300
tagaaaaggc gtgcagtact aagggaacaa tccatgtgat taatgnttnc	attatgttca	360
tgtaanaagc cccttatttt tagccataat tttgcatact gaaaatccaa	taatcagaaa	420
agtaattttg ccacattatt tatnaaaaat gttcc		455
<210> 721		
<211> 530		
<212> DNA		
<213> Homo sapien		
<220>		
<221> misc_feature		
<222> (1)(530)		
$\langle 223 \rangle$ n = A,T,C or G		
<400> 721		
ccagtgcttg ctgccgtggt ttagtgattg ggtgttagaa ataaaaactc	aggtctattt	60
cttaccagtc agtaacaatt tttagagaat gtacttggta tataatatat	ggacttcagg	120
aactttattg gggnggggg ttaattttgc cttaccctgt tcactttcag	atgattaggc	180
ttttgcactt tagaatgaga aacttgtgac gttagtgtgt tcttactagc	tttaatttgt	240
atgtagcaat gaattgtgaa tettagtgea gtgggttttt ttaaaaaact	caaaaagctg	300
ggaattaagt ggtttcagta ataatgctat accgaggtgc ttgcattgta	tttcataatt	360
ttgttacaaa ccaaaattat ttttaatgan aacggtcttg ggttcagagg	tgtgatgcca	420
gaatgtattt tegtaetgtt aggeeettgg aacagatace ggtgetttet	tgaaagatga	480
aagaaatgca atgggtgctc ttcatgcaag gttgcaaacc taccaagaat		530
<210> 722		
<211> 242		
<212> DNA		
<213> Homo sapien		
220		
<220>		
<221> misc_feature <222> (1)(242)		
<223> n = A,T,C or G		
(223) 11 - 11/1/0 0		
<400> 722		
ccaagggtca tgatggcagg agtaatcana ggtgntcttg tgttgtgata	agggnggaga	60
ggttaaagga gccacttatt agtaatgttg atagtagaat gatggctagg	gtgacttcat	120
atgagattgt ttgggctact gctcgcagtg cgccgatcag ggcgtagttt	gagtttgatg	180
ctcatcctga tnagaggatt gagtaaacgg ctaggctaga ggtggctaga	ataaatagga	240
gg		242
<210> 723		
<211> 472		
<212> DNA		
<213> Homo sapien		
<220>		
<221> misc feature		
<222> (1)(472)		
$\langle 223 \rangle$ n = A,T,C or G		
· ·		

<400> 723 60 cctactatgg gtgttaaatt ttttactctc tctacaaggt tttttcctag tgtccaaaga gccgttcctc tttggactaa cagttaaatt tacaagggga tttagagggt tctgtgggca 120 aatttaaagt tgaactaaga ttctatcttg gacaaccagc tatcaccagg ctcggtaggt 180 ttgtcgcctc nacctataaa tcttcccact attttgctac atagacgggt gtgctctttt 240 agctgttctt aggtagctcg tctggnttcg ggggtcttag ctttggctct ccttgcaaag 300 ttatttctag ttaattcatt atgcagaagg tataggggtt agtccttgct atattatgct 360 420 tggttataat ttttcatctt tcccttgcgg tactatatct attgcgccag gtttcaattt ctatcgccta tactttattt gggtaaatgg tttggctaan gttgtctggt ag 472 <210> 724 <211> 292 <212> DNA <213> Homo sapien <220> <221> misc_feature <222> (1)...(292) <223> n = A, T, C or G<400> 724 nccaccactg cagccctaca tacagntgaa aaaaaattcc attctgttaa catttgtttt 60 ataagttttc acncaataca caaaaaaccc ctctgcactt cttgtaaaga acaaaaaaga 120 tacacaacag ttaagcgtaa agatcacagg caatagcatt caaacatgga tgtgggnaga 180 gaaaggagta cctggcatga gtacctgctt agttngactg aatccttgat ttttaatttg 240 292 gcttttcatg ggccgntcac aacaccaacg ctgngngagg tatggtagtc ag <210> 725 <211> 122 <212> DNA <213> Homo sapien <220> <221> misc_feature <222> (1)...(122) <223> n = A,T,C or G <400> 725 atagaaaggg catacccaaa atgttactga aaatntaata caaattccaa gattcaccaa 60 120 ngaagtaaca aaaacctggc ctgcangngg ncccctatcc cgtggctcca tggntgatgt 122 gg <210> 726 <211> 477 <212> DNA <213> Homo sapien <220> <221> misc_feature <222> (1)...(477) <223> n = A, T, C or G<400> 726 ctgaaccctc gtggagccat tcatacaggt ccctaattaa ggaacaagtg attatgctac 60

ctttgcacgg ttagggtacc gcggccgtta aacatgtgtc actgggcagg cggtgcctct aatactggtg atgctagagg tgatgtttt ggtaaacagg cggggtaaga tttgccgagt tccttttact ttttttaacc tttccttatg agcatgcctg tgttgggttg acagtgaggg taataatgac ttgttggtga ttgtanatat tgggctgtta attgtcagtt cagtgttta atctgacgca ggcttatgcg gaggagaatg ttttcatgtt acttatacta acattagttc ttctataggg tgatagattg gtccaattgg gtgtgaggag ttcagttata tgtttgggat tttttaggta gtgggtgttg agcttgaacg ctttcttaat tggcggctgc ttttagg	120 180 240 300 360 420 477
<210> 727 <211> 416 <212> DNA <213> Homo sapien	
<pre><400> 727 cctgtctttg aatggatgaa ataggttaat aaaaaacatc actgtttaaa aactagaaca ctgaaaaatt ctaggaaagc ttattttccc ttatattttt atggtacttt caacacttaa taacactatt tcaattaagt tttctcctag agtttatagt atatcagtac attctttct gtggatgcaa taatatagaa tcttattcca aatcttactg gcaggttctc ttaaattctt caacggctgc catagtgatt aaccaaaatt agttatgatt tctgcctatc tgtgtgagaa cttacagggg aaattgttct aaacctgagg aacatgaagt aactgtactg cacactccaa atgatgacag tcattttata tcaccttcaa ttacccaaca gcttttaata gtctgg</pre>	60 120 180 240 300 360 416
<210> 728 <211> 416 <212> DNA <213> Homo sapien <220> <221> misc_feature <222> (1)(416) <223> n = A,T,C or G	
<pre><400> 728 cctgtctttg aatggatgaa ataggttaat aaaaaacatc actgtttaaa aactagaaca ctgaaaaatt ctaggaaagc ttattttccc ttatatttt atggtacttt caacacttaa taacactatt tcaattaagt tttctcctag agtttatagt atatcagtac attctttct gtggatgcaa taatatagaa tcttattcca aatcttactg gcaggttctc ttaaattctt caacggctgc catagtgatt aaccaaaatt agttatgatt tctgcctatc tgtgtgagaa cttacagggg aaattgttct aaacctgagg aacatgaagt aactgtactg cacactccaa atgatgacag tcattttata tcaccttcaa ttacccaaca gcttttaata ntctgg</pre>	60 120 180 240 300 360 416
<210> 729 <211> 564 <212> DNA <213> Homo sapien <220> <221> misc_feature <222> (1)(564) <223> n = A,T,C or G	
<400> 729 ctgtgagtag aggagtcttc ccgagagtag cagttgttga tccaaatgat tgaagccttc aggtaaggga ataactgctg caggaattct ttcttgaaga atttaagctg tttggtaaga	60 120

attotgtaac tacatacott tgaaacacta ttcacattca aataaacgot tgttttctag ccaggcacag gctcaattag tttttcaaac tctagccaag gcagtattc atttgggaaa tcatgcaaca gaactgctca attottaact tctcctgctg ttaacattta cacttagact gccagcaaca gttaacttaa attttggtct caagggaaca aaaaaaaatt gcattcagaa tttaatatag tatttaaaa ctaattttag cctgtaagnc attatgagca atagtaactt tatacctcc tcatcttgnc tgataatata ttctatatgc tgncaatctg attatatagt ctatatgcta gaagttgctg attttcattc tgccaccaaa aaaaactgtc ctttttttt tatgggggaa aaagggaatt taaa	180 240 300 360 420 480 540 564
<210> 730 <211> 310 <212> DNA <213> Homo sapien	
<pre><400> 730 ccatttttat ttcttctca gagaagtgtt tatttaggtc tgttgccat tttacaatta ggccatatgt tttcttgctg ttgagttgta tgtgtgtttg tataaatttt gcatattaac cccttatcac acgtatgttt tttaaaataa attttgctta ttaatctttt atcagatgta tggtttccaa atatattctt ccgatccatg gattctcttt tttgttatga ttgtttcttt gctcttcgga agctttttgt tttgttttgt tatttgtttt actttgatat agtcccattt attgtttttg</pre>	60 120 180 240 300 310
<210> 731 <211> 467 <212> DNA <213> Homo sapien	
<220> <221> misc_feature <222> (1)(467) <223> n = A,T,C or G	
rgacaacctt agccaaacca tttacccaaa taaagtatag gcgatagaaa ttgaaacctg gcgcaataga tatagtaccg caagggaaag atgaaaaatt ataaccaagc ataataaagc aaggactaac ccctatacct tctgcataat gaattaacta gaaataactt tgcaaggaga gccaaagcta agaccccga aaccagacga gctacctaag aacagctaaa agagcacacc cgtctatgta gcaaaatagn gggaagattt ataggnagag gcgacaaacc taccgagcct ggtgatagct ggttgtccaa gatagaatct tagntcaact ttaaatttgc ccacagaacc ctctaaatcc ccttgtaaat ttaactgnta gnccaaagag gaacagntct ttggacacta ggaaaaaacc ttgtagagag agtaaaaaat ttaacccca tagtagg	60 120 180 240 300 360 420 467
<210> 732 <211> 492 <212> DNA <213> Homo sapien	
<220> <221> misc_feature <222> (1)(492) <223> n = A,T,C or G	
<400> 732 cctactatgg gtgttaaatt ttttactctc tctacaaggt tttttcctag tgtccaaaga	60

<400> 735

getgtteete titggactaa eagetaaatt tacaagggga titagagggt tetgtgggea aatttaaagt tgaactaaga tietatetig gacaaceage tateaceagg eteggtaggt tigtegeete tacetataaa tetteeeaet attitgetae atagaegggt gigetetiti agetgttett aggtageteg tetggniteg giggtetiag etitiggetet eetitgeaaag tiatitetag tiaatteatt atgeagaagg tataggggt agneetiget atatitatet tiggitaaatt titteateti teeetigegg tactatatet attgegeeag gitteaatti etategeeta taetitatit giggitaaatig tittggetaag gitgitetiggi agtgaggegg agniggititig gig	120 180 240 300 360 420 480 492
<210> 733 <211> 562 <212> DNA <213> Homo sapien	
<220> <221> misc_feature <222> (1)(562) <223> n = A,T,C or G	
<pre></pre>	60 120 180 240 300 360 420 480 540 562
<212> DNA <213> Homo sapien <220> <221> misc_feature <222> (1)(265) <223> n = A,T,C or G	
<pre><400> 734 nggtccagaa caagagaaat aactgcagaa aacacatatg gttggaaacc atgcgcttgt gactttttct gtagcctatg ggagtggaca gagtgggtaa cccaagatgt ttttaagact gactggacta agaatggcgt acttatagcc aactacttcc cccctaatgt gactgaaggg attcataatg atcacaatta gcattacggt taagtatttt agggttgacg tctaagctca cacttgaaag gtatttatct aatgg</pre>	60 120 180 240 265
<210> 735 <211> 216 <212> DNA <213> Homo sapien	

atttaatacg tgctcactgc tcggcacgcg ctgaagctac agttaacaat cagtgagcac atattaaatg ataaaataat gctgatggta aacattcata acagcagagt aagattttgg cagttttgtg tctcggtaac ataactgtaa ccttagatga acacctatcc cttcatgatc tgactttaga ggcaaggagt ttgtaacatc taatgg	60 120 180 216
<211> 285 <212> DNA <213> Homo sapien <220> <221> misc_feature <222> (1)(285)	
<223> n = A,T,C or G	
<400> 736 ctgaaaggca acntggagac tagttagtct agtcccctca tattataaat tggtatgctg aggccaggca gtaaattgct atggagctct ccaatttaag gccagtttga ctccaagggt agggcttcta gtaaaatttt gtgattaaat tggaaactct aatttattt tctatgngtt tttggtacct aatcctcata agcaagccat atttcaaggc tgatcaatga aaacaccaaa taccaaagct tcctttccct tccaaattta ctgacccttt gtcag	60 120 180 240 285
<210> 737 <211> 509 <212> DNA <213> Homo sapien	
<220> <221> misc_feature <222> (1)(509)	
$\langle 223 \rangle$ n = A,T,C or G	
<400> 737	60
<400> 737 agangaagaa gangaagatt aagggaaaag tacatcggtc aagaagagct caacaaaaca aagcccatct ggaccagaaa tcccgacgat attactaatg aggagtacgg agaattctat	120
<400> 737 agangaagaa gangaagatt aagggaaaag tacatcggtc aagaagagct caacaaaaca aagcccatct ggaccagaaa tcccgacgat attactaatg aggagtacgg agaattctat aagagcttga ccaatgactg ggaagatcac ttggcagtga agcatttttc agttgaagga cagttggaat tcagagcct tctatttgtc ccacgacgtg ctccttttga tctgtttgaa	120 180 240
<400> 737 agangaagaa gangaagatt aagggaaaag tacatcggtc aagaagagct caacaaaaca aagcccatct ggaccagaaa tcccgacgat attactaatg aggagtacgg agaattctat aagagcttga ccaatgactg ggaagatcac ttggcagtga agcatttttc agttgaagga cagttggaat tcagagcct tctatttgtc ccacgacgtg ctccttttga tctgtttgaa aacagaaaga aaaagaacaa catcaaattg tatgtacgca gagttttcat catggataac	120 180
<400> 737 agangaagaa gangaagatt aagggaaaag tacatcggtc aagaagagct caacaaaaca aagcccatct ggaccagaaa tcccgacgat attactaatg aggagtacgg agaattctat aagagcttga ccaatgactg ggaagatcac ttggcagtga agcatttttc agttgaagga cagttggaat tcagagcct tctatttgtc ccacgacgtg ctccttttga tctgtttgaa aacagaaaga aaaagaacaa catcaaattg tatgtacgca gagttttcat catggataac tgngaggagc taatccctga atatctgaac ttcattagag gggtggnaga ctcggaggat ctccctctaa acatatccg tgagatgttg caacaaagca aaattttgaa agttatcang	120 180 240 300 360 420
<400> 737 agangaagaa gangaagatt aagggaaaag tacatcggtc aagaagagct caacaaaaca aagcccatct ggaccagaaa tcccgacgat attactaatg aggagtacgg agaattctat aagagcttga ccaatgactg ggaagatcac ttggcagtga agcatttttc agttgaagga cagttggaat tcagagcct tctatttgtc ccacgacgtg ctccttttga tctgtttgaa aacagaaaga aaaagaacaa catcaaattg tatgtacgca gagttttcat catggataac tgngaggagc taatccctga atatctgaac ttcattagag gggtggnaga ctcggaggat	120 180 240 300 360
<400> 737 agangaagaa gangaagatt aagggaaaag tacatcggtc aagaagagct caacaaaaca aagcccatct ggaccagaaa tcccgacgat attactaatg aggagtacgg agaattctat aagagcttga ccaatgactg ggaagatcac ttggcagtga agcattttc agttgaagga cagttggaat tcagagcct tctatttgtc ccacgacgtg ctccttttga tctgtttgaa aacagaaga aaaagaacaa catcaaattg tatgtacgca gagttttcat catggataac tgngaggagc taatccctga atatctgaac ttcattagag gggtggnaga ctcggaggat ctccctctaa acatatcccg tgagatgttg caacaaagca aaattttgaa agttatcang aagaatttgg gtcaaaaaat gcttanaact ctttactgaa ctggcggaag atnaagagaa	120 180 240 300 360 420 480
<pre></pre>	120 180 240 300 360 420 480
<pre></pre>	120 180 240 300 360 420 480

```
<212> DNA
      <213> Homo sapien
      <220>
      <221> misc feature
      <222> (1)...(209)
      \langle 223 \rangle n = A,T,C or G
      <400> 739
                                                                           60
ccgncagtgt gatggatate tgcagaatte gecettageg gecegeeegg geagggteet
                                                                         120
tatatatagt agcttagttt gaaaaaatgt gaaggacttt cgtaacggaa gtaattcaag
                                                                         180
atcaagagta attaccaact taatgttttt gcattggact ttgagttaag attatttttt
                                                                         209
aaatcctgag gactagcatt aattgacgg
      <210> 740
      <211> 164
      <212> DNA
      <213> Homo sapien
      <400> 740
ccaagctaat gggtgacact gtgaatgcaa ctctaatgca gcctggcgta aatggtccta
                                                                           60
                                                                          120
tqqqcactaa ctttcaagtt aacacaaaca gaggaggtgg tgtgtgggaa tctggtgcag
                                                                          164
caaactccca gagtacatca tggggaagtg gaaatggcgc aaat
      <210> 741
      <211> 514
      <212> DNA
      <213> Homo sapien
      <220>
      <221> misc feature
      <222> (1) ... (514)
      \langle 223 \rangle n = A,T,C or G
      <400> 741
                                                                           60
ccaqtcaqaa ttgagatgtg ctgtgagtgc aaaatacact caaatctaag acttagtatg
gaagaaaaag aagataaggt gnttcattaa taatcttta tattgattac atgttgaaat
                                                                          120
                                                                          180
qatattttta atatactggg ttacataaac tgttattaag attaattttg cttgtttctt
                                                                          240
ttttaatatg gctactagaa aattaaaaat tatgttgtgg ttcacattat atttctgttg
                                                                          300
aacaatgtgg acatagataa tctacagtca ttacattagc cttagaattt agcatcatac
ttttaagcac tctggggtac taacttgaac tcccagaaac ccataagcac actctgcata
                                                                          360
                                                                          420
taaattattq caaaattcat tcttatctct ctgaaagata tgcattttaa gggtaaaaag
aattcacaaa atattgantc cttaacaaat gtcaattagt atatggagag agctaaagga
                                                                          480
                                                                          514
cttcntgtag actggtncat tggggaaaaa caga
      <210> 742
      <211> 439
      <212> DNA
      <213> Homo sapien
      <220>
      <221> misc_feature
      <222> (1)...(439)
      <223> n = A, T, C \text{ or } G
```

<pre><400> 742 gcaggtccta tgcatagtta ataagggnta taatctactc aacatggaaa atgggagcct atttgcaaac acacgagtaa ttaaagtacc aattctctct tagtttcttt ttttatagtt ggnttatttt gcaattataa atgntaaaca tccctagaga tgaaagttaa aatggctgat cacagatcag tagcaaaata caaattgaca attcaaaatt ataaataaaa ctctgttgag gatgtttaac tttgagcctc caaatttaag agctaagctt ggaagaaaca aatttatagg ttatatttcc ctcttaaatt aaaaaacaaa cttcctctgg cagtagnttg tgaattcctt tcattgnaat gataccatga ttacaggatc aaaaatgctt aacttacttg ccattctgct cacatcatca cagttgttt</pre>	60 120 180 240 300 360 420 439
<210> 743 <211> 275 <212> DNA <213> Homo sapien	
<220> <221> misc_feature <222> (1)(275) <223> n = A,T,C or G	
<400> 743 cangacgeta etteceetat catagaagag ettateacet tteatgatea egeceteata gteattttee ttatetgete eetagteetg tatgeeettt teetaacaet cacaacaaa etaactaata etaacatete agaegeteag gaaatagaaa eegtetgaae tateetgeee gecateatee tagteeteat egeceteeca teeetaegea teetttacat aacagaegag gteaacgate eeteeettae eateaaatea attgg	60 120 180 240 275
<210> 744 <211> 295 <212> DNA <213> Homo sapien	
<220> <221> misc_feature <222> (1)(295) <223> n = A,T,C or G	
<400> 744 ctgtnctttt aaaaaatctg gatgttttt atttagtgat tgttcgacaa ttagctgctt caaaacataa tgtgcattgc ttatgaatgc cttcatatac taatacagat actctgataa tattacactc taataaggat aatgctgaat tttgaaagga cacaaaacat ctaatgccaa tatatacatg attagccaac atctttgcta tcaagaccac tcgtttttaa ataaagatgc aagtgtcagt tgtagattat tgggatgaag ctaaatcccc agaatgcagc agcag	60 120 180 240 295
<210> 745 <211> 477 <212> DNA <213> Homo sapien	
<220> <221> misc_feature <222> (1)(477) <223> n = A,T,C or G	

<pre><400> 745 cgcgttactg tacatattgc tagc tcacattaca gacagacgaa acca cagagagcct atttgtggtt gctc tcatagctct atgaaacaat gaat aaagaaatgt tgcttcacgt gtgc agagaatcac tctcaaattt aaccc catttctaac aacacttttc tttt tagtttgagt gtanggattc agtac</pre>	acatgg atgccacaca aggtgg ggtcatacat tcggaa tgaaatctta taagtt gagataataa caagat aagcaatagg ttctag aggtcactct	taacttcctt tgcttgcaga ccatgacacc tatttcacat atttgggggt caaacactga	tgtagtttca aatggcctga tctctgtagg atttatatac gacttgtaca tatatcacta	60 120 180 240 300 360 420 477
<210> 746 <211> 524 <212> DNA <213> Homo sapien				
<220> <221> misc_feature <222> (1)(524) <223> n = A,T,C or G				
<pre><400> 746 ctgtgaaatt gggttgggag agcca gaggtgtgaa gttagactct atgad taatgaatcc attctacttg cacad agatgtaaga ataaattttg acaad aaccattatt acaactaatc cagad agaaaataaa gaaacaaatg ttctg aaatttaagt acaatagitg atgtd gaatgaagga aaagctgatc cttcd cattgatgat gaaactcaaa agtag</pre>	tgaaac agagtcgtct gagctg gatgccacga atttcg gaactgcatg tatacc agaagctaac ggatga tgaaattgacctacac agntgaacaa ctatgg catcctttat	tttgcgatga gaaacagtaa acagcaactg attctgctga agttatttca ttaaagggaa gcctacattt	catgttggga tatttgcctc taatctcaaa attttatacg aagaatccat aagctttgaa	60 120 180 240 300 360 420 480 524
<210> 747 <211> 456 <212> DNA <213> Homo sapien				
<220> <221> misc_feature <222> (1)(456) <223> n = A,T,C or G				
<pre><400> 747 cctcagttct tgattgtggt tgacg cttccaacct tttctcttaa tcgtt ggagtttccg atgccagagg atgaa aaaacaaatc cttttgctga tactt cacaaaatac tgagaggtaa ctttt tcagtgctct gaattcaact gacag aagtgtttt tttgttttgt tttta aagtacacat gaagcagcaa agtaa <210> 748 <211> 474</pre>	ttettt aatettttaa aageaa gtgetttete tgttte aaaageatee tatea ateaaecae gaetaa agggtgttte aaatet tatteagaa	accatcttca caccctctcc attgtaaagc ataccccaat ctgtaacagt	agtgcatagg tcccagagtg ttctcagtga ttaacacctt ctgaaatatt	60 120 180 240 300 360 420 456

```
<212> DNA
      <213> Homo sapien
      <220>
      <221> misc feature
      <222> (1)...(474)
      <223> n = A, T, C or G
      <400> 748
                                                                         60
ccanaccagg gaaccaaatg cagacagnga agttetetge ttettttgge tataatgnga
caagaaaggg atcatctttt gaagatgttt aaagaaataa agcaactttc tttataaaca
                                                                        120
gtcaaataat caattaatgg aataaataag tactaaccca cattttaacc actctgtaat
                                                                        180
                                                                        240
cactacactt tacatatttt ttatttnggn ggcaaantcc cccataatta gtctaaaatc
caccaatcac ttttaaaagt aaaatgaata gccaccaaaa taagaaaatc ttctgttcac
                                                                        300
                                                                        360
tctttggcta aaaaggaaaa caaataaaac aaaacaaaaa gaaacagaag acaactgtaa
cactggtgat aaaagaaact tttttttac aagtaaaata aagttatcaa tttaaatctt
                                                                        420
                                                                        474
ggncacttta taaaaacaag aggtaatgtt gtaataaaac agcagtagcc tcag
      <210> 749
      <211> 355
      <212> DNA
      <213> Homo sapien
      <220>
      <221> misc feature
      <222> (1)...(355)
      <223> n = A, T, C \text{ or } G
      <400> 749
cctgggtnna gnggctgact gnaacctcca cttcctgttc tcaggcaatc ctcctgcctc
                                                                         60
                                                                        120
agcctcctta gtagctggga ctacaggagt gtgcaaccat gcccaactaa tttttgtatt
tttaatagag acagggtttc accatgttga tcaggttggt ctccaactcc tgacctcagg
                                                                        180
tgatccacct gtcccagcct cccaaagtgc tgggattaca ggcatgagcc accacgcccg
                                                                        240
gnccaggata aagtaaaaat ttgtaagcac acaaggccct ttgcaacctg gctcctggtt
                                                                        300
actactttaa neeteetgee eteecaaatg tneteaetgt ttttetanae atace
                                                                        355
      <210> 750
      <211> 493
      <212> DNA
      <213> Homo sapien
      <220>
      <221> misc feature
      <222> (1)...(493)
      <223> n = A, T, C or G
      <400> 750
                                                                         60
ccatgctggt ctcgaactcc tgaactcagg tgatccaccc gcctcagtct cccaatagat
tacatatatt attaatgaat tgcttccttt aacaccctat tcattgaatt ttccagtaaa
                                                                        120
                                                                        180
ccacaattac taattactcc tgaaatcaga aaagaggtta aaaagatttt ataacagtat
cctatgaaat ctactacttt caagtaatag tagttgaatt accaaaaccc gtcactcaag
                                                                        240
                                                                        300
ccaatgacta caattaagat atgagtaaca tttcctagat aaataaagtc aattaattat
atttgcatct gggaaataga gaaagtacat ataagccatg attttgaagn caaaagagag
                                                                        360
                                                                        420
agantatttg ccaaggaggg gtgagttata gtatgtaatt ataacataca gaagcttttt
```

gtatgctggt aactaatttt aatttcctac attnttatg ctattttcca cct	g agatttctgc tattcttgtc 480
<210> 751 <211> 364 <212> DNA <213> Homo sapien	
<220> <221> misc_feature <222> (1)(364) <223> n = A,T,C or G	
<pre><400> 751 cgaggtctgg naaggtcacc aagtctgccc aganagctc ccctaatacc tgccacccca ctcttaatca gtggtggaa tttcaattgg ccatttaagt ttagtagtaa aagactggt aaaccttcag aaggaaagga gaatgttttg nggaccact ggcagtttta agttattagt ttttaaaatc agtactttt aaatttgtca cagaattttg agacccatta aaaaagtta cntg</pre>	g aacggtctca gaactgtttg 120 t aatgataaca atgcatcgta 180 t tggttttctt ttttgcgtgt 240 t aatggaaaca acttgaccaa 300
<210> 752 <211> 498 <212> DNA <213> Homo sapien	
<220> <221> misc_feature <222> (1)(498) <223> n = A,T,C or G	
<pre><400> 752 ctggattatg ggttggnatt ggtcatatgt tagactcca gtgaatccct tagaagttac aattctcaaa ttacatact ctcaatattt ctaacaataa cataccagaa aaggctgga acttgtagcc tcagtaatat gacatacttg cctttaaca agaccttcag aaaatggaga ttctttttga tggggacat atatgcttaa cagttggaac tcaaattaaa tgtactgat agtgatanat tagcctcaaa aaaagacaat ttggnaagg cttgntcaca acttgactgg tgcttctttc cttgctgct ttctattttc agtaaatg</pre>	t cctcagatgt aacattagaa 120 c tggcactcat ctgctgacta 180 a attatctcaa attaactaac 240 a atcaaattta agtctgagaa 300 t ttaaagttta gacattaaca 360 n ttaggtcttt taatttggtg 420
<210> 753 <211> 467 <212> DNA <213> Homo sapien	
<220> <221> misc_feature <222> (1)(467) <223> n = A,T,C or G	
<400> 753	

nacaacctta gccanaacca tttacccaaa taaagggata ggcgatagaa attgaaacct	60
ggcgcaatag atatagnacc gcaagggaaa gatgaaaaat tataaccaag cataatatag	120
caaggactaa cccctatacc ttctgcataa tgaattaact agaaataact ttgcaaggag	180
agccaaagct aagacccccg aaaccagacg agctatctaa gaacagctaa aagagcacac	240
ccgtctatgt agcaaaatag tgggaagatt tataggtaga ggcgacaaac ctaccgagcc	300
tggtgatagc tggntgncca agatagaatc ttagntcaac tttaaatttg cccacagaac	360
cctctaaatc cccttgtaaa tttaactgtt agtccaaaga ggaacagctc ttggacacna ggaaaaaacc ttgcagagag agtaaaaaat ttaacaccca tagtagg	420
gyaaaaaacc ttycayayay aytaaaaaat ttaacaccca tagtagg	467
<210> 754	
<211> 196	
<212> DNA	
<213> Homo sapien	
<220>	
<221> misc_feature <222> (1)(196)	
$\langle 223 \rangle$ n = A,T,C or G	
<400> 754	
gtcatgttca agtgttntaa tctgacgcag gcttatgcgg aggagaatgt tttcatgtta	60
cttatactaa cattagttct tctatagggt gatagattgg tccaattggg tgtgaggagt	120
tcagttatat gtttgggatt ttttaggcag tgggtgttga gcttgaacgc tttcttaatt	180
ggtggctgct tttagg	196
<210> 755	
<211> 381	
<212> DNA	
<213> Homo sapien	
400 755	
<400> 755	6.0
ctggaaagga ttctgtacat ataagacatc aaatattgag ggatactgga acttttaaat taatgggcaa agaaagtcaa caaaggaagt tcatatgaaa tcaaactagt aatatgatta	60 120
caaaaaaaaa gtttaaaatt tttcttggcc ccagtcttat catttctgag ccaaatacaa	180
ttctatcgaa atcacctgaa actgaaatca ccattctagg ctggttttcc cataaagatg	240
gactgctcca aaaagaggaa tcaagaaaga atttggctca cagtgaatta ttcactttgt	300
cttagttaac taaaaataaa atctgactgt taactacaga aatcatttca aattctgtgg	360
tgataataaa gtaatgaccg c	381
210. 756	
<210> 756 <211> 341	
<212> DNA	
<213> Homo sapien	
<220>	
<221> misc_feature	
<222> (1)(341)	
<223> n = A,T,C or G	
<400> 756	
ggntataaac ctattattta ttgcagaact aataaaaaat ccaaagcctt gtatttgtac	60
atctttatta tetetaaage aettteetea aeetaattte agtttttaea attggtaete	120
aagaaaatag agacagaaat catttgattt tgcccagaaa ccatctgctt atatttataa	180
ggccacctaa tttgaaatca catatagacc aggcgcggtg gctcacgcct gtaattccaa	240

cactttggaa ggccaaggca ggtggatcac aaggtcaaga gattgagacc atcttggcca acatggcgaa accccgtctc taccaaaaat acaaaaatca g	300 341
<210> 757 <211> 479 <212> DNA <213> Homo sapien	
<220> <221> misc_feature <222> (1)(479) <223> n = A,T,C or G	
<pre><400> 757 cgcnttactg tacatattgc tagcagggag acaactggaa atactaaaca aatactggaa ttcacattac agacagacga aaccaacatg gatgccacac ataacttcct ttgtagtttc acagagagcc tatttgtggt tgctcaggtg gggtcataca ttgcttgcag aaatggcctg atcatagctc tatgaaacaa tgaattcgga atgaaatctt accatgacac ctctctgtag gaaagaaatg ttgcttcacg tgtgctaagt tgagataata atatttcaca tatttatata cagagaatca ctctcaaatt taacccaaga taagcaatag gatttggggg tgacttgtnc acatttctaa caacactttt ctttttcta gaggtcactc tcaaacactg atatatcact atagnttgag ngtagggatt caagtaatca aaggttgtta ttgcaaaaga gccaggcag</pre>	60 120 180 240 300 360 420 479
<210> 758 <211> 267 <212> DNA <213> Homo sapien	
<221> misc_feature <222> (1)(267) <223> n = A,T,C or G	
<pre><400> 758 ccatgnctag gtttatagat agttgggtgg gttggtgtaa atgagtgag</pre>	60 120 180 240 267
<210> 759 <211> 449 <212> DNA <213> Homo sapien	
<220> <221> misc_feature <222> (1)(449) <223> n = A,T,C or G	
<400> 759 cgaggtcttg aaatcagcaa cacacttaca aatgagaaaa tgaaaataga agagtatata aagaaaggga aagaggatta tgaagagagt catcagagag ctgtggctgc agaggtatcc gtacttgaaa actggaagga gagtgaagtg tataagctac agatcatgga gtcacaagca	60 120 180

gaageettte tgaagaaget ggggetgatt ageegtgate etgeageata teeegaeatg	240
gagtetgata taegtteatg ggaattgttt etttetaatg ttaeaaaaga aattgagaaa	300
gcaaagtete agtttgaaga acaaattaag gcaattaaaa atggtteeeg geteagtgaa	360
ctttctaaag ngcagatttc tgagctttca tttcctgcct gtaacacggt tcatcccgag	420
ttactccctg agtcttcagg ccacgatgg	449
<210> 760	
<211> 414	
<212> DNA	
<213> Homo sapien	
<220>	
<221> misc_feature	
<222> (1)(414)	
$\langle 223 \rangle$ n = A,T,C or G	
<400> 760	
ccatnaactg gaagcagctc actaaacaaa cagnggcata cccatagaac tgcatacttc	60
tcagcagtat gaaagaatga gctacttata taagcatcat tgataaacct caaaaaaaaa	120
atgecacatg aagaaneeea agggggagaa acataaaaae tttatatgne agneatataa	180
aattotagaa aatgoaaact aatooatont aaaggaaagt aaatoancag ttgtotggag	240
gaccanagag agcaggagga gagagattnt taanggggtt aaagtaaatt ngggagtgcc	300
cttccatttt taaatnctat gaaaatgaaa gtaaaggccc ntgcatgttg taaactaata	360
gtaacaaaca gattgggttg gagtggggtg ttgtctgggg acatcattac aaan	414
<210> 761	
<211> 428	
<212> DNA	
<213> Homo sapien	
400 860	
<400> 761	
gagcctcact aaaataacag atttcagtat agccaagttc atcagaaaga ctcaaatgga	60
atgatttaca agatagaaca ctttaaacca ggtcagtcct atctttttgt agctgaaggc	120
tatcagtcat aacacaattt cgcgtacacc tctgctcatt atggaattac acttaaaacg	180
aatctcaaga gggtgaccat tgttgtttca gataccatcc ctaaggagag tggttaacag	240
gaagattgcc agtgttactg atggaaagaa gtgtttgttt gttttttttc ttgtcaaaga	300
cttacaccat agttttaaat taaactgtca ggcattttct cagacaggtt ttccttttca	360
atgcagtaat gaagaactaa gataaaaatc atgacttttg actgccactc aacattatta	420
catgcacc	428
2210: 702	
<210> 762 <211> 574	
<211> 5/4 <212> DNA	
<213> Homo sapien	
(213) Homo Sapien	
<220>	
<221> misc_feature	
<222> (1)(574)	
(223) = A,T,C or G	
(2237 H - R, I, C OL G	
<400> 762	
caggtctgaa ctgataagta ttaagagacg tttgttgcta gttaagngtt ccagttgaga	60
gttcgaagtg aaaacctggg ctctttacca gtgttgagtg agaagattta tttctctttc ctctgaattt accacatgta acatcacaga gacatgtaga gttcctttag gatttgcgat	120
designation according acadeadaya yacatgraga greecettag gatttgcgat	180

ttgaaccagn ccagtctgat tttcaggtga attctgtgaa gagcttgatg ggggaagtct gaagacagaa ggaattaggg aaaagggtga tacttacaga gtaaaggaaa taaatgaaaa gataatggta tttttggtag ccacagggaa atagcaggag gggactggag atcacacaca cgcacacgca cacacacaaa cacacacac	240 300 360 420 480 540 574
<210> 763 <211> 465 <212> DNA <213> Homo sapien	
<220> <221> misc_feature <222> (1)(465) <223> n = A,T,C or G	
<pre><400> 763 cctactatgg gtgttaaaat tttttactct ctctacaagg ntttttccta gtgtccaaag agctgttcct ctttggacta acagttaaat ttacaagggg atttagaggg ttctgngygc aaatttaaag ttgaactaag attctatctt ggacaaccag ctatcaccag gctcggtagg tttgtcgcct ctacctataa atcttcccac tattttgcta catagacggg tgtgctcttt tagctgttct taggtagctc gtctggtttc gggggtctta gctttggctc tccttgcaaa gttattcta gttaattcat tatgcagaag gtatagggt tagtccttgc tatattatgc ttggatataa tttttcatct ttcccttgcg gtactatatc tattgcgcca ngtttcaatt tctatcgcct atacttatt tgggtaaatg gtttggctaa ggttg</pre>	60 120 180 240 300 360 420 465
<210> 764 <211> 151 <212> DNA <213> Homo sapien	
<pre><400> 764 ctgtcaatta atgctagtcc tcaggattta aaaaataatc ttaactcaaa gtccaatgca aaaacattaa gttggtaatt actcttgatc ttgaattact tccgttacga aagtccttca catttttcaa actaagctac tatatttaag g</pre>	60 120 151
<210> 765 <211> 251 <212> DNA <213> Homo sapien	
<pre><400> 765 gaagagetta teacetttea tgateaegee etcatagtea tttteettat etgetteeta gteetgtatg ceetttteet aacaeteaea acaaaaetaa etaataetaa eateteagae geteaggaaa tagtaaeegt etgaaetate etgeeegeea teateetagt eeteeeateee taegeateet ttaeataaea gaegaggtea aegateeete eettaeeate aaateaattg g</pre>	60 120 180 240 251
<210> 766 <211> 375 <212> DNA <213> Homo sapien	

```
<220>
      <221> misc_feature
      <222> (1)...(375)
      \langle 223 \rangle n = A,T,C or G
      <400> 766
cgaggtctgn cctcctggtt cttcatccat tattaacaga agagcatact ggtttcggtc
                                                                         60
cataaaatct ttgggaaggg acaactgtaa aggaagttca tagtcgtcaa tatgaaggat
                                                                        120
tttaatttet qgettteeta tettettett caggataget teetteagea tagaattgtt
                                                                        180
ttccaatata aaatattttg ctgggttgtc cgtactatgt aggctgacca ctgggaccct
                                                                        240
tggaccttca cagaataata agaaatgttg attcatggga ctaaaactgg catcaaaata
                                                                        300
                                                                        360
tgtacattgt tettteatga aattacatga aatgeattgg egatteaata atcetteagt
                                                                        375
agaagcactg tacag
      <210> 767
      <211> 485
      <212> DNA
      <213> Homo sapien
      <220>
      <221> misc feature
      <222> (1)...(485)
      <223> n = A,T,C or G
      <400> 767
cgaggtctga accetegtgg agceatteat acaggtceet aattaaggaa caagtgatta
                                                                         60
tgctaccttn gcacggttag ggtaccgcgg cccgttaaac atgtgtcact gggcaggcgg
                                                                        120
                                                                        180
tgcctctaat actggtgatg ctagaggtga tgtttttggn aaacaggcgg ggtaagattt
geogagities tittaetitt tittaacetti eettatgage atgeetgigt tgggttgaca
                                                                        240
gtgagggtaa taatgacttg ttggtgattg tagatattgg gctgttaatt gtcagttcag
                                                                        300
tgttttaatc tgacgcaggc ttatgcggag gagaatgttt tcatgttact tatactaaca
                                                                        360
                                                                        420
ttagttette tatagggtga tagatnggte caattgggtg tgaggagnte aettatatgt
ttgggatttt ttaggtaagn gggtgttgag cttgaacgct ttcttaattg ggggctgctt
                                                                        480
                                                                        485
ttang
      <210> 768
      <211> 379
      <212> DNA
      <213> Homo sapien
      <220>
      <221> misc_feature
      <222> (1)...(379)
      <223> n = A,T,C \text{ or } G
      <400> 768
ctgatattct attaaagata caaagaggag ctggnaccat ttcttctgaa actattacaa
                                                                         60
acaactgaaa aggtggaatt tctccctaat tcattttagg aggccagcat tatactgata
                                                                        120
ccaaaacctg gcagaggtac aataataaaa ggaaacttca agtcagtatc actgatgaac
                                                                        180
                                                                        240
accaatgtga aaatcctcaa taaaatactg gcaaactgaa ttcagcagca catcaaaaag
                                                                        300
ctaatccacc acaatcaagt cagcttcatc cctgcgatgc aagtctggtt caacatatgc
                                                                        360
aaatcaataa atacaattca tcagataaac agagctaaag acaaaattca catgattttc
                                                                        379
tcaatagatg cagaaaagg
```

<211> 384

```
<210> 769
      <211> 518
      <212> DNA
      <213> Homo sapien
      <220>
      <221> misc feature
      <222> (1)...(518)
      \langle 223 \rangle n = A,T,C or G
      <400> 769
                                                                         60
cgaggtccat atgatgatca gtctatatag tttaaggcgc agatacacaa attttcaaaa
atatgggtag aatatagtca atatgaatgg aatagacaat gctttgaaaa tcactggagg
                                                                        120
                                                                        180
gaggetttat tgtttgtgaa aacatgttgt catcactttt tgetttaage cettggtggt
                                                                        240
gaaataactc aaaccattct tccttatgct gaagatcgag aaccccaagt atcacatcta
                                                                        300
ccatcccact catcaatgtg attggtcagt ctttgctgag gncctgcata gccagtttta
aagttagagt tottgcatat acatatgaaa aggcatgtta ottgtgottt caaagagott
                                                                        360
                                                                        420
tttgcttggt gtaaaaagaa aactcaaatt acagtgtgat gtggaatata atggtggtag
                                                                        480
tttcatcgag atgatgggaa agaattgata agataaagcn gaaagatgag cagaattttc
                                                                        518
agattgggtn tggaaagagc acttaagaaa gagggtgg
      <210> 770
      <211> 378
      <212> DNA
      <213> Homo sapien
      <220>
      <221> misc_feature
      <222> (1)...(378)
      <223> n = A, T, C or G
      <400> 770
                                                                         60
tatgggtcct gagtgtggaa tataagataa caagacaatt cccttgcttt caagggaaat
                                                                        120
cacactttat aaaactttga attettgaaa tgggttteag aggtteeaag gteaaattea
agaataagag ttaagaagaa aaagactatg agaaaggaag tgntgacccc atttgcattt
                                                                        180
aaatggcagg aatagtctca atctactcat tggggaaaaa tgtatgttgc atatttttga
                                                                        240
                                                                        300
gatattgcaa cttgctctct ctctttgcca ccccaccctt tgncatgctc tgtttttggg
                                                                        360
ctgaattggc aagaaaaatg gctggagggc tggaagaagn tggaccette tteettette
                                                                        378
cttcttcctt ctttctcc
      <210> 771
      <211> 207
      <212> DNA
      <213> Homo sapien
      <400> 771
cataaatatt atactagcat ttaccatctc acttctagga atactagtat atcgctcaca
                                                                         60
cctcatatcc tccctactat gcctagaagg aataatacta tcactgttca ttatagctac
                                                                        120
teteataace eteaacacee actecetett agecaatatt gtgeetattg eeatactagt
                                                                        180
ctttgccgcc tgcgaagcag cggtagg
                                                                        207
      <210> 772
```

<212> DNA	
<213> Homo sapien	
<220> <221> misc_feature <222> (1)(384) <223> n = A,T,C or G	
<pre><400> 772 cctactatgg gtgttaaatt ttttactctc tctacaaggt tttttcctag tgtccaaaga gctgttcctc tttggactaa cagttaaatt tacaagggga tttagagggt tctgngggca aatttaaagt tgaactaaga ttctatcttg gacaaccagc tatcaccagg ctcggtaggt ttgtcgcctc tacctataaa tcttcccact attttgctac atagacgggt gtgctcttt agctgttctt aggtagctcg tctggtttcg ggggtcttag ctttggctct ccttgcaaag ttattctag ttaattcatt atgcagaagg tataggggt agtccttgct atattatgct tggttataat ttttcatctt tccc</pre>	60 120 180 240 300 360 384
<210> 773 <211> 182 <212> DNA <213> Homo sapien	
<pre><400> 773 cccttttcct aacactcaca acaaaactaa ctaatactaa catctcagac gctcagggaa atagaaaccg tctgaactat cctgcccgcc atcatcctag tcctcatcgc cctacgcatcc tttacataac agacgaggtc aacgatccct cccttaccat caaatcaatt gg</pre>	60 120 180 182
<210> 774 <211> 191 <212> DNA <213> Homo sapien	
<pre><400> 774 ccatggctag gtttatagat agttgggtgg ttgggtgtaa atgagtgag</pre>	60 120 180 191
<210> 775 <211> 192 <212> DNA <213> Homo sapien	
<220> <221> misc_feature <222> (1)(192) <223> n = A,T,C or G	
<pre><400> 775 ccatggctaa gntatataga tagctgggtg gctggagtaa atgantgagg nacgagtccg angaggttag ttgaggcaat aaaaatgatn aaggatacta gtataagaga tcangttcgt cctttacatg ttgngtatgg ctatcatttg ttttgaggct agnttgatta gtcattgttg ggtggtaatt aa</pre>	60 120 180 192

<210> 776 <211> 144 <212> DNA <213> Homo sapien <400> 776 ctgacccct agaaccctgg ctctgccatt agctaggacc taagactctg cccacatttt 60 ggtctgttct ctcccattac acataggttt gtctcagcat gcaagagttt ttcctttaaa 120 aaaaaaaaa aaaaaaaaaa aaaa 144 <210> 777 <211> 483 <212> DNA <213> Homo sapien <220> <221> misc_feature <222> (1)...(483) <223> n = A,T,C or G<400> 777 cctactatgg gtgntaaatt ttttactctc tctacaaggt tttttcctag tgtccaaaga 60 gctgttcctc tttggactaa cagttaagtt tacaagggga tttagagggt tctgtgggca 120 aatttaaagt tgaactaaga ttctatcttg gacaaccagc tatcaccagg ctcggtaggt 180 ttgtcgcctc tacctataaa tcttcccact attttgctac atagacgggt gtgctctttt 240 agetgttett aggtageteg tetggttteg ggggtettag etttggetet eettgeaaag 300 ttatttctag ttaattcatt atgcagaagg tataggggnt aagtccttgc tatattatgc 360 ttggatataa tttttcatct ttcccttgcg gtactatatc tattgcgcca ggtttcaatt 420 tetgeegeet ataetttatt tgggtaaatg gtttggetaa ngttgetggt agaaggtgga 480 483 gtg <210> 778 <211> 393 <212> DNA <213> Homo sapien <220> <221> misc feature <222> (1)...(393) <223> n = A,T,C or G<400> 778 ctgcattttt attgcgatct gcagatgaac tgggaaaatc tcattttaca acagaactga 60 gacagacgac caccatattc actgaggtct aaatttgcag tttccactaa tgacattttg 120 atttcccaac agagatactt ctggtcttac tgcacagtct tttaagagaa atacttccat 180 tatgccacat tgtccttgat ccgtaagtga tgtgttaagg tgcttcaaag gaactctgac 240 ctctgaagta cttgagctac tttagtatgt ccagcctatt gctttttgtt ttagngngtc 300 accataaata tcaggggcat aaaaggctat ctattcttaa ttcaaggata aaacagaaga 360 agcttgtggn ataaaacaat agtcaagatc cag 393 <210> 779 <211> 277 <212> DNA

<213> Homo sapien	
<220> <221> misc_feature <222> (1)(277) <223> n = A,T,C or G	
<pre><400> 779 cctnttgatt tgatgggtaa ggggagggat cgttgacctc gtctgttatg taaaggatgc gtagggatgg gagggcgatg aggactagga tgatggcggg caggatagtt cagacggttt ctatttcctg agcgtctgag atgttagtat tagttagttt tgttgtgagt gttaggaaaa gggcatacag gactaggaag cagataagga aaatgactat gagggcgtga tcatgaaagg tgataagctc ttctatgata ggggaagtag cgtcttg</pre>	60 120 180 240 277
<210> 780 <211> 328 <212> DNA <213> Homo sapien	
<220> <221> misc_feature <222> (1)(328) <223> n = A,T,C or G	
<pre><400> 780 catgntatgg ataaccatnt taactgtatt ttntgcancc cgtaccttct tgggaataca attgtctaac tttttatttt tggnctggct gttgtggtgt gcaaaactcc gtacattgct attttgccac actgcaacac cttacagatg tggaagatgt gaaatttgtc atcaattatg actaccctaa ctcctcagag gattatattc atcgaattgg aagaactgct cgcagtacca aaacaggcac agcatacact ttctttacac ctaataacat aaagcagggg agcgacctta tctctgtgct tcgggaagct aancaaac</pre>	60 120 180 240 300 328
<210> 781 <211> 305 <212> DNA <213> Homo sapien	
<220> <221> misc_feature <222> (1)(305) <223> n = A,T,C or G	
<pre><400> 781 ctgttcagaa agctcattgg acctggtttt gaaaataaaa caaagttaaa accctgggag gagttattgt gcagngtgga gtactcaggc tttcttataa agaaaaaaaa agttatctgg taccaaagtg tgcaacctac agaccctcag gtactgccct gtgacttctc tgtatgacat cacaaggctg ccaagtgcct gttttctag aactaggagt tggtgaggtt tggctantgc tgaaaccatg cataggattg gtttactaaa ttaaaacctt attacgtacg tcctccaaaa gacag</pre>	60 120 180 240 300 305
<210> 782 <211> 497 <212> DNA <213> Homo sapien	

60

120

180

240

300

360

420

480

497

<220>

<221> misc feature

<222> (1)...(497) $\langle 223 \rangle$ n = A,T,C or G <400> 782 cgaggtggct ttaattgatg ttaatgcctt atgtcaaatg taaagttaga atttgctagg gctgggatag ggagtgatat ttctaggact tagacattga aaactaattc agcctgtagt aacctggatg gttttcaatg gcatggttag tcaaattcat ggttttaaac ttagaagcag ctttcggggg agagggtagg ttggagcatt tattacatat tttactgttt aatgtcttaa ccgtgggcct tttaatttgt aaacactgaa atgattgttg ggctgtggaa aacatttacc tatttacctt ggaagtttta aaagacagtc cactttttag catgtgtgtt gcgtccagcc tqtqqtcqtc ttaactaata aatgngattt ttctctcaaa aaaaaaacct ccccgggcgg ccgctcaagg gcnaattccn cacactggcg gccgttacta ggggatccga nctcggtcca agcttggcgt aatcatg <210> 783 <211> 364 <212> PRT <213> Homo sapien <400> 783 Met Trp Gln Pro Leu Phe Phe Lys Trp Leu Leu Ser Cys Cys Pro Gly 1 5 10 Ser Ser Gln Ile Ala Ala Ala Ser Thr Gln Pro Glu Asp Asp Ile 25 30 Asn Thr Gln Arg Lys Lys Ser Gln Glu Lys Met Arg Glu Val Thr Asp 40 Ser Pro Gly Arg Pro Arg Glu Leu Thr Ile Pro Gln Thr Ser Ser His 55 Gly Ala Asn Arg Phe Val Pro Lys Ser Lys Ala Leu Glu Ala Val Lys 70 75 Leu Ala Ile Glu Ala Gly Phe His His Ile Asp Ser Ala His Val Tyr 90 Asn Asn Glu Glu Gln Val Gly Leu Ala Ile Arg Ser Lys Ile Ala Asp 100 105 Gly Ser Val Lys Arg Glu Asp Ile Phe Tyr Thr Ser Lys Leu Trp Ser 120 125 Asn Ser His Arg Pro Glu Leu Val Arg Pro Ala Leu Glu Arg Ser Leu 135 140 Lys Asn Leu Gln Leu Asp Tyr Val Asp Leu Tyr Leu Ile His Phe Pro 150 155 Val Ser Val Lys Pro Gly Glu Glu Val Ile Pro Lys Asp Glu Asn Gly 165 170 Lys Ile Leu Phe Asp Thr Val Asp Leu Cys Ala Thr Trp Glu Ala Met 190 180 185 Glu Lys Cys Lys Asp Ala Gly Leu Ala Lys Ser Ile Gly Val Ser Asn 200 Phe Asn His Arg Leu Leu Glu Met Ile Leu Asn Lys Pro Gly Leu Lys 210 215 Tyr Lys Pro Val Cys Asn Gln Val Glu Cys His Pro Tyr Phe Asn Gln

Arg Lys Leu Leu Asp Phe Cys Lys Ser Lys Asp Ile Val Leu Val Ala

		245				250					255	
Tyr Ser	Ala Leu 260		His	Arg	Glu 265	Glu	Pro	Trp	Val	Asp 270	Pro	Asn
Ser Pro	Val Leu 275	Leu Glu	Asp	Pro 280	Val	Leu	Cys	Ala	Leu 285	Ala	Lys	Lys
His Lys 290	Arg Thr	Pro Ala	Leu 295	Ile	Ala	Leu	Arg	Tyr 300	Gln	Leu	Gln	Arg
Gly Val 305	Val Val	Leu Ala		Ser	Tyr	Asn	Glu 315	Gln	Arg	Ile	Arg	Gln 320
Asn Val	Gln Val	Phe Glu 325	Phe	Gln	Leu	Thr 330	Ser	Glu	Glu	Met	Lys 335	Ala
Ile Asp	Gly Leu 340		Asn	Val	Arg 345	Tyr	Leu	Thr	Leu	Asp 350	Ile	Phe
Ala Gly	Pro Pro 355	Asn Tyı	Pro	Phe 360	Ser	Asp	Glu	Tyr				

<210> 784 <211> 6353 <212> DNA <213> Homo sapien

<400> 784

```
tggcgaatgg gacgcgcct gtagcggcgc attaagcgcg gcgggtgtgg tggttacgcg
                                                                        60
cagcgtgacc gctacacttg ccagcgccct agcgcccgct cctttcgctt tcttcccttc
                                                                       120
ctttctcgcc acgttcgccg gctttccccg tcaagctcta aatcgggggc tccctttagg
                                                                       180
gttccgattt agtgctttac ggcacctcga ccccaaaaaa cttgattagg gtgatggttc
                                                                       240
acgtagtggg ccatcgccct gatagacggt ttttcgccct ttgacgttgg agtccacgtt
                                                                       300
                                                                       360
ctttaatagt ggactcttgt tccaaactgg aacaacactc aaccctatct cggtctattc
                                                                       420
ttttgattta taagggattt tgccgatttc ggcctattgg ttaaaaaaatg agctgattta
                                                                       480
acaaaaattt aacgcgaatt ttaacaaaat attaacgttt acaatttcag gtggcacttt
tcggggaaat gtgcgcggaa cccctatttg tttatttttc taaatacatt caaatatgta
                                                                       540
                                                                       600
tccgctcatg aattaattct tagaaaaact catcgagcat caaatgaaac tgcaatttat
tcatatcagg attatcaata ccatattttt gaaaaagccg tttctgtaat gaaggagaaa
                                                                       660
                                                                       720
actcaccgag gcagttccat aggatggcaa gatcctggta tcggtctgcg attccgactc
gtccaacatc aatacaacct attaatttcc cctcgtcaaa aataaggtta tcaagtgaga
                                                                       780
                                                                       840
aatcaccatg agtgacgact gaatccggtg agaatggcaa aagtttatgc atttctttcc
agacttgttc aacaggccag ccattacgct cgtcatcaaa atcactcgca tcaaccaaac
                                                                       900
                                                                       960
cgttattcat tcgtgattgc gcctgagcga gacgaaatac gcgatcgctg ttaaaaggac
aattacaaac aggaatcgaa tgcaaccggc gcaggaacac tgccagcgca tcaacaatat
                                                                      1020
                                                                      1080
tttcacctga atcaggatat tcttctaata cctggaatgc tgttttcccg gggatcgcag
tggtgagtaa ccatgcatca tcaggagtac ggataaaatg cttgatggtc ggaagaggca
                                                                      1140
                                                                      1200
taaattccqt cagccagttt agtctgacca tctcatctgt aacatcattg gcaacgctac
ctttgccatg tttcagaaac aactctggcg catcgggctt cccatacaat cgatagattg
                                                                      1260
                                                                      1320
tegeacetga ttgeeegaca ttategegag eccatttata eccatataaa teageateea
tgttggaatt taatcgcggc ctagagcaag acgtttcccg ttgaatatgg ctcataacac
                                                                      1380
                                                                      1440
cccttgtatt actgtttatg taagcagaca gttttattgt tcatgaccaa aatcccttaa
                                                                      1500
cgtgagtttt cgttccactg agcgtcagac cccgtagaaa agatcaaagg atcttcttga
                                                                      1560
gatccttttt ttctgcgcgt aatctgctgc ttgcaaacaa aaaaaccacc gctaccagcg
                                                                      1620
gtggtttgtt tgccggatca agagctacca actctttttc cgaaggtaac tggcttcagc
agagcgcaga taccaaatac tgtccttcta gtgtagccgt agttaggcca ccacttcaag
                                                                      1680
aactctgtag caccgcctac atacctcgct ctgctaatcc tgttaccagt ggctgctgcc
                                                                      1740
agtggcgata agtcgtgtct taccgggttg gactcaagac gatagttacc ggataaggcg
                                                                      1800
cageggtegg getgaacggg gggttegtge acacageeca gettggageg aacgaeetae
                                                                      1860
accgaactga gatacctaca gcgtgagcta tgagaaagcg ccacgcttcc cgaagggaga
                                                                      1920
```

1980 aaggcggaca ggtatccggt aagcggcagg gtcggaacag gagagcgcac gagggagctt ccagggggaa acgcctggta tctttatagt cctgtcgggt ttcgccacct ctgacttgag 2040 2100 cgtcgatttt tgtgatgctc gtcagggggg cggagcctat ggaaaaacgc cagcaacgcg gcctttttac ggttcctggc cttttgctgg ccttttgctc acatgttctt tcctgcgtta 2160 2220 tcccctgatt ctgtggataa ccgtattacc gcctttgagt gagctgatac cgctcgccgc agccgaacga ccgagcgcag cgagtcagtg agcgaggaag cggaagagcg cctgatgcgg 2280 tattttctcc ttacgcatct gtgcggtatt tcacaccgca tatatggtgc actctcagta 2340 2400 caatctgctc tgatgccgca tagttaagcc agtatacact ccgctatcgc tacgtgactg ggtcatggct gcgccccgac acccgccaac acccgctgac gcgccctgac gggcttgtct 2460 2520 qctcccggca tccgcttaca gacaagctgt gaccgtctcc gggagctgca tgtgtcagag gttttcaccg tcatcaccga aacgcgcgag gcagctgcgg taaagctcat cagcgtggtc 2580 2640 gtgaagcgat tcacagatgt ctgcctgttc atccgcgtcc agctcgttga gtttctccag 2700 aagcgttaat gtctggcttc tgataaagcg ggccatgtta agggcggttt tttcctgttt 2760 ggtcactgat gcctccgtgt aagggggatt tctgttcatg ggggtaatga taccgatgaa 2820 acgagagagg atgctcacga tacgggttac tgatgatgaa catgcccggt tactggaacg 2880 ttgtgagggt aaacaactgg cggtatggat gcggcgggac cagagaaaaa tcactcaggg 2940 tcaatgccag cgcttcgtta atacagatgt aggtgttcca cagggtagcc agcagcatcc 3000 tgcgatgcag atccggaaca taatggtgca gggcgctgac ttccgcgttt ccagacttta 3060 cgaaacacgg aaaccgaaga ccattcatgt tgttgctcag gtcgcagacg ttttgcagca 3120 gcagtcgctt cacgttcgct cgcgtatcgg tgattcattc tgctaaccag taaggcaacc 3180 ccgccagcct agccgggtcc tcaacgacag gagcacgatc atgcgcaccc gtggggccgc 3240 catgccggcg ataatggcct gcttctcgcc gaaacgtttg gtggcgggac cagtgacgaa 3300 ggcttgagcg agggcgtgca agattccgaa taccgcaagc gacaggccga tcatcgtcgc getecagega aageggteet egeegaaaat gaeeeagage getgeeggea eetgteetae 3360 3420 gagttgcatg ataaagaaga cagtcataag tgcggcgacg atagtcatgc cccgcgccca 3480 ccggaaggag ctgactgggt tgaaggctct caagggcatc ggtcgagatc ccggtgccta 3540 atgagtgagc taacttacat taattgcgtt gcgctcactg cccgctttcc agtcgggaaa 3600 cctgtcgtgc cagctgcatt aatgaatcgg ccaacgcgcg gggagaggcg gtttgcgtat 3660 tgggcgccag ggtggttttt cttttcacca gtgagacggg caacagctga ttgcccttca ccgcctggcc ctgagagagt tgcagcaagc ggtccacgct ggtttgcccc agcaggcgaa 3720 aatcctgttt gatggtggtt aacggcggga tataacatga gctgtcttcg gtatcgtcgt 3780 3840 atcccactac cgagatatcc gcaccaacgc gcagcccgga ctcggtaatg gcgcgcattg 3900 cgcccagcgc catctgatcg ttggcaacca gcatcgcagt gggaacgatg ccctcattca gcatttgcat ggtttgttga aaaccggaca tggcactcca gtcgccttcc cgttccgcta 3960 teggetgaat ttgattgega gtgagatatt tatgeeagee ageeagaege agaegegeeg 4020 4080 agacagaact taatgggccc gctaacagcg cgatttgctg gtgacccaat gcgaccagat 4140 gctccacgcc cagtcgcgta ccgtcttcat gggagaaaat aatactgttg atgggtgtct 4200 ggtcagagac atcaagaaat aacgccggaa cattagtgca ggcagcttcc acagcaatgg 4260 catcctggtc atccagcgga tagttaatga tcagcccact gacgcgttgc gcgagaagat tgtgcaccgc cgctttacag gcttcgacgc cgcttcgttc taccatcgac accaccacgc 4320 tggcacccag ttgatcggcg cgagatttaa tcgccgcgac aatttgcgac ggcgcgtgca 4380 gggccagact ggaggtggca acgccaatca gcaacgactg tttgcccgcc agttgttgtg 4440 4500 ccacgcggtt gggaatgtaa ttcagctccg ccatcgccgc ttccactttt tcccgcgttt 4560 tcgcagaaac gtggctggcc tggttcacca cgcgggaaac ggtctgataa gagacaccgg 4620 catactctgc gacatcgtat aacgttactg gtttcacatt caccaccctg aattgactct cttccgggcg ctatcatgcc ataccgcgaa aggttttgcg ccattcgatg gtgtccggga 4680 4740 tctcgacgct ctcccttatg cgactcctgc attaggaagc agcccagtag taggttgagg 4800 ccgttgagca ccgccgccgc aaggaatggt gcatgcaagg agatggcgcc caacagtccc ccggccacgg ggcctgccac catacccacg ccgaaacaag cgctcatgag cccgaagtgg 4860 cgagcccgat cttccccatc ggtgatgtcg gcgatatagg cgccagcaac cgcacctgtg 4920 gcgccggtga tgccggccac gatgcgtccg gcgtagagga tcgagatctc gatcccgcga 4980 5040 aattaatacg actcactata ggggaattgt gagcggataa caattcccct ctagaaataa ttttgtttaa ctttaagaag gagatataca tatgcagcat caccaccatc accactggca 5100 gcccctcttc ttcaagtggc tcttgtcctg ttgccctggg agttctcaaa ttgctgcagc 5160

agcctccacc	cagcctgagg	atgacatcaa	tacacagagg	aagaagagtc	aggaaaagat	5220
gagagaagtt	acagactctc	ctgggcgacc	ccgagagctt	accattcctc	agacttcttc	5280
acatggtgct	aacagatttg	ttcctaaaag	taaagctcta	gaggccgtca	aattggcaat	5340
agaagccggg	ttccaccata	ttgattctgc	acatgtttac	aataatgagg	agcaggttgg	5400
actggccatc	cgaagcaaga	ttgcagatgg	cagtgtgaag	agagaagaca	tattctacac	5460
ttcaaagctt	tggagcaatt	cccatcgacc	agagttggtc	cgaccagcct	tggaaaggtc	5520
actgaaaaat	cttcaattgg	actatgttga	cctctatctt	attcattttc	cagtgtctgt	5580
	gaggaagtga					5640
ggatctctgt	gccacatggg	aggccatgga	gaagtgtaaa	gatgcaggat	tggccaagtc	5700
catcggggtg	tccaacttca	accacaggct	gctggagatg	atcctcaaca	agccagggct	5760
caagtacaag	cctgtctgca	accaggtgga	atgtcatcct	tacttcaacc	agagaaaact	5820
gctggatttc	tgcaagtcaa	aagacattgt	tctggttgcc	tatagtgctc	tgggatccca	5880
tcgagaagaa	ccatgggtgg	acccgaactc	cccggtgctc	ttggaggacc	cagtcctttg	5940
tgccttggca	aaaaagcaca	agcgaacccc	agccctgatt	gccctgcgct	accagctgca	6000
gcgtggggtt	gtggtcctgg	ccaagagcta	caatgagcag	cgcatcagac	agaacgtgca	6060
	ttccagttga					6120
tgtgcgatat	ttgacccttg	atatttttgc	tggcccccct	aattatccat	tttctgatga	6180
atattaatga	ctcgagcacc	accaccacca	ccactgagat	ccggctgcta	acaaagcccg	6240
aaaggaagct	gagttggctg	ctgccaccgc	tgagcaataa	ctagcataac	cccttggggc	6300
	gtcttgaggg					6353

<210> 785 <211> 5502 <212> DNA <213> Homo sapien

<400> 785

tggcgaatgg gacgcgcct gtagcggcgc attaagcgcg gcgggtgtgg tggttacgcg 60 120 cagogtgace getacacttg ecagogecet agegeeeget cetttegett tettecette ctttctcgcc acgttcgccg gctttccccg tcaagctcta aatcgggggc tccctttagg 180 240 gttccgattt agtgctttac ggcacctcga ccccaaaaaa cttgattagg gtgatggttc acgtagtggg ccatcgccct gatagacggt ttttcgccct ttgacgttgg agtccacgtt 300 360 ctttaatagt ggactcttgt tccaaactgg aacaacactc aaccctatct cggtctattc 420 ttttgattta taagggattt tgccgatttc ggcctattgg ttaaaaaatg agctgattta 480 acaaaaattt aacgcgaatt ttaacaaaat attaacgttt acaatttcag gtggcacttt tcggggaaat gtgcgcggaa cccctatttg tttatttttc taaatacatt caaatatgta 540 600 tccgctcatg aattaattct tagaaaaact catcgagcat caaatgaaac tgcaatttat 660 tcatatcagg attatcaata ccatatttt gaaaaagccg tttctgtaat gaaggagaaa 720 actcaccgag gcagttccat aggatggcaa gatcctggta teggtctgcg attccgactc 780 gtccaacatc aatacaacct attaatttcc cctcgtcaaa aataaggtta tcaagtgaga 840 aatcaccatg agtgacgact gaatccggtg agaatggcaa aagtttatgc atttctttcc 900 agacttgttc aacaggccag ccattacgct cgtcatcaaa atcactcgca tcaaccaaac cgttattcat tcgtgattgc gcctgagcga gacgaaatac gcgatcgctg ttaaaaggac 960 aattacaaac aggaatcgaa tgcaaccggc gcaggaacac tgccagcgca tcaacaatat 1020 1080 tttcacctga atcaggatat tcttctaata cctggaatgc tgttttcccg gggatcgcag 1140 tggtgagtaa ccatgcatca tcaggagtac ggataaaatg cttgatggtc ggaagaggca taaattccgt cagccagttt agtctgacca tctcatctgt aacatcattg gcaacgctac 1200 1260 ctttgccatg tttcagaaac aactctggcg catcgggctt cccatacaat cgatagattg tegeacetga ttgccegaca ttategegag eccatttata eccatataaa teageateea 1320 tgttggaatt taatcgcggc ctagagcaag acgtttcccg ttgaatatgg ctcataacac 1380 1440 cccttgtatt actgtttatg taagcagaca gttttattgt tcatgaccaa aatcccttaa 1500 cgtgagtttt cgttccactg agcgtcagac cccgtagaaa agatcaaagg atcttcttga

gateettttt ttetgegegt aatetgetge ttgcaaacaa aaaaaccace getaccageg 1560 gtggtttgtt tgccggatca agagctacca actctttttc cgaaggtaac tggcttcagc 1620 agagcgcaga taccaaatac tgtccttcta gtgtagccgt agttaggcca ccacttcaag 1680 aactctgtag caccgcctac atacctcgct ctgctaatcc tgttaccagt ggctgctgcc 1740 1800 agtggcgata agtcgtgtct taccgggttg gactcaagac gatagttacc ggataaggcg cagcggtcgg gctgaacggg gggttcgtgc acacagccca gcttggagcg aacgacctac 1860 accgaactga gatacctaca gcgtgagcta tgagaaagcg ccacgcttcc cgaagggaga 1920 1980 aaggcggaca ggtatccggt aagcggcagg gtcggaacag gagagcgcac gagggagctt 2040 ccagggggaa acgcctggta tctttatagt cctgtcgggt ttcgccacct ctgacttgag cgtcgatttt tgtgatgctc gtcagggggg cggagcctat ggaaaaacgc cagcaacgcg 2100 2160 gcctttttac ggttcctggc cttttgctgg ccttttgctc acatgttctt tcctgcgtta tcccctgatt ctgtggataa ccgtattacc gcctttgagt gagctgatac cgctcgccgc 2220 2280 agccgaacga ccgagcgcag cgagtcagtg agcgaggaag cggaagagcg cctgatgcgg tattttctcc ttacgcatct gtgcggtatt tcacaccgca tatatggtgc actctcagta 2340 2400 caatctgctc tgatgccgca tagttaagcc agtatacact ccgctatcgc tacgtgactg 2460 ggtcatggct gcgccccgac acccgccaac acccgctgac gcgccctgac gggcttgtct 2520 qctcccqqca tccgcttaca gacaagctgt gaccgtctcc gggagctgca tgtgtcagag gttttcaccg tcatcaccga aacgcgcgag gcagctgcgg taaagctcat cagcgtggtc 2580 2640 gtgaagcgat tcacagatgt ctgcctgttc atccgcgtcc agctcgttga gtttctccag 2700 aagcgttaat gtctggcttc tgataaagcg ggccatgtta agggcggttt tttcctgttt 2760 qqtcactgat gcctccgtgt aagggggatt tctgttcatg ggggtaatga taccgatgaa acgagagagg atgctcacga tacgggttac tgatgatgaa catgcccggt tactggaacg 2820 2880 ttgtgagggt aaacaactgg cggtatggat gcggcgggac cagagaaaaa tcactcaggg tcaatgccag cgcttcgtta atacagatgt aggtgttcca cagggtagcc agcagcatcc 2940 3000 tgcgatgcag atccggaaca taatggtgca gggcgctgac ttccgcgttt ccagacttta cgaaacacgg aaaccgaaga ccattcatgt tgttgctcag gtcgcagacg ttttgcagca 3060 3120 gcagtcgctt cacgttcgct cgcgtatcgg tgattcattc tgctaaccag taaggcaacc 3180 ccgccagcct agccgggtcc tcaacgacag gagcacgatc atgcgcaccc gtggggccgc 3240 catgccggcg ataatggcct gcttctcgcc gaaacgtttg gtggcgggac cagtgacgaa ggcttgagcg agggcgtgca agattccgaa taccgcaagc gacaggccga tcatcgtcgc 3300 3360 gctccagcga aagcggtcct cgccgaaaat gacccagagc gctgccggca cctgtcctac gagttgcatg ataaagaaga cagtcataag tgcggcgacg atagtcatgc cccgcgccca 3420 3480 ccggaaggag ctgactgggt tgaaggctct caagggcatc ggtcgagatc ccggtgccta atgagtgage taacttacat taattgegtt gegeteactg ecegetttee agtegggaaa 3540 3600 cctgtcgtgc cagctgcatt aatgaatcgg ccaacgcgcg gggagaggcg gtttgcgtat 3660 tgggcgccag ggtggttttt cttttcacca gtgagacggg caacagctga ttgcccttca 3720 ccgcctggcc ctgagagagt tgcagcaagc ggtccacgct ggtttgcccc agcaggcgaa aatcctgttt gatggtggtt aacggcggga tataacatga gctgtcttcg gtatcgtcgt 3780 3840 atcccactac cgagatatcc gcaccaacgc gcagcccgga ctcggtaatg gcgcgcattg 3900 cgcccagcgc catctgatcg ttggcaacca gcatcgcagt gggaacgatg ccctcattca 3960 gcatttgcat ggtttgttga aaaccggaca tggcactcca gtcgccttcc cgttccgcta teggetgaat ttgattgega gtgagatatt tatgeeagee ageeagaege agaegegeeg 4020 4080 agacagaact taatgggccc gctaacagcg cgatttgctg gtgacccaat gcgaccagat 4140 gctccacgcc cagtcgcgta ccgtcttcat gggagaaaat aatactgttg atgggtgtct 4200 ggtcagagac atcaagaaat aacgccggaa cattagtgca ggcagcttcc acagcaatgg 4260 catcctggtc atccagcgga tagttaatga tcagcccact gacgcgttgc gcgagaagat 4320 tgtgcaccgc cgctttacag gcttcgacgc cgcttcgttc taccatcgac accaccacgc 4380 tggcacccag ttgatcggcg cgagatttaa tcgccgcgac aatttgcgac ggcgcgtgca gggccagact ggaggtggca acgccaatca gcaacgactg tttgcccgcc agttgttgtg 4440 ccacgcggtt gggaatgtaa ttcagctccg ccatcgccgc ttccactttt tcccgcgttt 4500 tcgcagaaac gtggctggcc tggttcacca cgcgggaaac ggtctgataa gagacaccgg 4560 catactctgc gacatcgtat aacgttactg gtttcacatt caccaccctg aattgactct 4620 4680 cttccgggcg ctatcatgcc ataccgcgaa aggttttgcg ccattcgatg gtgtccggga 4740 tetegacget etecettatg egacteetge attaggaage ageceagtag taggttgagg

gcccctcttc ttcaagtgg	ag gagatataca gc tcttgtcctg	tatgcagcat ttgccctggg	caccaccatc agttctcaaa	ttgctgcagc	5040 5100 5160 5220
agcetecace cageetgag gagagaagtt acagaete acatggtget aacagatt tegageacea ceaceace agttggetge tgecacege tettgagggg ttttttge	cc ctgggcgacc cg tttgatgaat ac cactgagatc ct gagcaataac	ccgagagett tctgeagata cggetgetaa tageataace	accattecte tecateacae caaageeega cettggggee	agacttcttc tggcggccgc aaggaagctg	5220 5280 5340 5400 5460 5502

<210> 786 <211> 108 <212> PRT

<213> Homo sapiens

<400> 786

 Arg
 Arg
 Ser
 Cys
 Glu
 Pro
 Ala
 Thr
 Arg
 Val
 Pro
 Glu
 Val
 Trp
 Ile
 Leu

 Ser
 Pro
 Leu
 Arg
 His
 Gly
 Gly
 His
 Thr
 Gln
 Thr
 Gln
 Asn
 His
 Thr

 Ala
 Ser
 Pro
 Arg
 Ser
 Pro
 Val
 Met
 Glu
 Ser
 Pro
 Lys
 Lys
 Lys
 Asn
 Gln

 Ala
 Ser
 Pro
 Arg
 Arg
 Ser
 Pro
 Val
 Met
 Glu
 Ser
 Pro
 Lys
 Lys
 Lys
 Asn
 Gln

 Ala
 Ser
 Pro
 Arg
 Arg
 Gly
 Ile
 Lys
 Arg
 Ile
 Arg
 Ile
 Arg
 Ile
 Ile
 His
 Leu
 Gly
 Arg
 Glu
 Met
 Arg
 Arg
 Arg
 Ile
 Arg
 Ile
 Arg
 Ile
 Ile
 Arg
 Ile
 Arg
 Ile
 Arg
 Ile
 Ile
 Arg
 I

105

<210> 787 <211> 152 <212> PRT

<213> Homo sapiens

100

<400> 787

Arg Pro Lys Glu Glu Val Pro Arg Ser Lys Ala Leu Glu Val Thr Lys
5 10 15

Leu Ala Ile Glu Ala Gly Phe Arg His Ile Asp Ser Ala His Leu Tyr
20 25 30

Asn Asn Glu Glu Gln Val Gly Leu Ala Ile Arg Ser Lys Ile Ala Asp
35 40 45

Gly Ser Val Lys Arg Glu Asp Ile Phe Tyr Thr Ser Lys Leu Trp Ser
50 55 60

Thr Phe His Arg Pro Glu Leu Val Arg Pro Ala Leu Glu Asn Ser Leu
65 70 75 80

Lys Lys Ala Gln Leu Asp Tyr Val Asp Leu Tyr Leu Ile His Ser Pro

```
90
Met Ser Leu Lys Pro Gly Glu Glu Leu Ser Pro Thr Asp Glu Asn Gly
                               105
Lys Val Ile Phe Asp Ile Val Asp Leu Cys Thr Thr Trp Glu Ala Met
                           120
Glu Lys Cys Lys Asp Ala Gly Leu Ala Lys Ser Ile Gly Val Ser Asn
                       135
                                           140
Phe Asn Pro Gln Ala Ala Gly Asp
145
                   150
<210> 788
<211> 1633
<212> DNA
 <213> Homo sapiens
<400> 788
cgtggaggca gctagcgcga ggctggggag cgctgagccg cgcgtcgtgc cctgcgctgc 60
ccagactagc gaacaataca gtcgggatgg ctaaaggtga ccccaagaaa ccaaagggca 120
agacgtccgc ttatgccttc tttgtgcaga catgcagaga agaacataag aagaaaaacc 180
caqaqqtccc tgtcaatttt gcggaatttt ccaagaagtg ctctgagagg tggaagacgg 240
tgtccgggaa agagaaatcc aaatttgatg aaatggcaaa ggcagataaa gtgcgctatg 300
atcgggaaat gaaggattat ggaccagcta agggaggcaa gaagaagaag gatcctaatg 360
aatccacaaa ccccggcatc tctattggag acgtggcaaa aaagctgggt gagatgtgga 480
ataatttaaa tgacagtgaa aagcagcctt acatcactaa ggcggcaaag ctgaaggaga 540
agtatgagaa ggatgttgct gactataagt cgaaaggaaa gtttgatggt gcaaagggtc 600
ctgctaaagt tgcccggaaa aaggtggaag aggaagatga agaacaggag gaggaagaag 660
aggaggagga ggaggaggag gatgaataaa gaaactgttt atctgtctcc ttgtgaatac 720
ttagagtagg ggagcgccgt aattgacaca tctcttattt gagaagtgtc tgttgccctc 780
attaggttta attacaaaat ttgatcacga tcatattgta gtctctcaaa gtgctctaga 840
aattgtcagt ggtttacatg aagtggccat gggtgtctgg agcaccctga aactgtatca 900
aagttgtaca tatttccaaa catttttaaa atgaaaaggc actctcgtgt tctcctcact 960
ctgtgcactt tgctgttggt gtgacaaggc atttaaagat gtttctggca ttttctttt 1020
atttgtaagg tggtggtaac tatggttatt ggctagaaat cctgagtttt caactgtata 1080
tatctatagt ttgtaaaaag aacaaaacaa ccgagacaaa cccttgatgc tccttgctcg 1140
gcgttgaggc tgtggggaag atgccttttg ggagaggctg tagctcaggg cgtgcactgt 1200
gaggctggac ctgttgactc tgcagggggc atccatttag cttcaggttg tcttgtttct 1260
qtatatagtg acatagcatt ctgctgccat cttagctgtg gacaaagggg ggtcagctgg 1320
catgagaata tttttttta agtgcggtag tttttaaact gtttgttttt aaacaaacta 1380
tagaactctt cattgtcagc aaagcaaaga gtcactgcat caatgaaagt tcaagaacct 1440
cctgtactta aacacgattc gcaacgttct gttatttttt ttgtatgttt agaatgctga 1500
aatgtttttg aagttaaata aacagtatta catttttaga actcttctct actataacag 1560
tcaatttctg actcacagca gtgaacaaac ccccactccg ttgtatttgg agactggcct 1620
ccctataaat gtg
      <210> 789
      <211> 200
      <212> PRT
      <213> Homo sapien
```

Met Ala Lys Gly Asp Pro Lys Lys Pro Lys Gly Lys Met Ser Ala Tyr 1 5 10 15 Ala Phe Phe Val Gln Thr Cys Arg Glu Glu His Lys Lys Lys Asn Pro

<400> 789

```
25
            20
Glu Val Pro Val Asn Phe Ala Glu Phe Ser Lys Lys Cys Ser Glu Arg
                            40
                                                45
Trp Lys Thr Met Ser Gly Lys Glu Lys Ser Lys Phe Asp Glu Met Ala
                        55
Lys Ala Asp Lys Val Arg Tyr Asp Arg Glu Met Lys Asp Tyr Gly Pro
Ala Lys Gly Gly Lys Lys Lys Asp Pro Asn Ala Pro Lys Arg Pro
                                     90
Pro Ser Gly Phe Phe Leu Phe Cys Ser Glu Phe Arg Pro Lys Ile Lys
                                105
Ser Thr Asn Pro Gly Ile Ser Ile Gly Asp Val Ala Lys Lys Leu Gly
                            120
                                                 125
Glu Met Trp Asn Asn Leu Asn Asp Ser Glu Lys Gln Pro Tyr Ile Thr
                                             140
                        135
Lys Ala Ala Lys Leu Lys Glu Lys Tyr Glu Lys Asp Val Ala Asp Tyr
                    150
                                        155
Lys Ser Lys Gly Lys Phe Asp Gly Ala Lys Gly Pro Ala Lys Val Ala
                                     170
                165
Arg Lys Lys Val Glu Glu Glu Asp Glu Glu Glu Glu Glu Glu Glu
                                 185
Glu Glu Glu Glu Glu Asp Glu
<210> 790
```

<211> 457 <212> DNA <213> Homo sapiens

<400> 790

ttcgcctgtg ttgggaacgc ggcggagctg tgagccggcg actcgggtc ctgaggtctg 60 gattctttct ccgctactga gacacggcgg acacacacaa acacagaacc acacagccag 120 tcccaggagc ccagtaatgg agagcccaa aaagaagaac cagcagctga aagtcgggat 180 cctacacctg ggcagcagac agaagaagat caggatacag ctgagatccc agtgcgcgac 240 atggaaggtg atctgcaaga gctgcatcag tcaaacaccg gggataaatc tggatttggg 300 tcccggcgtc aaggtgaaga taatacctaa agaggaacac tgtaaaatgc cagaagcagg 360 tgaagagcaa ccacaagttt aaatgaagac aagctgaaac aacgcaagct ggttttatat 420 tagatatttg acttaaacta tctcaataaa gttttgc

<210> 791 <211> 126 <212> PRT

<213> Homo sapiens

<400> 791

Ser Pro Val Leu Gly Thr Arg Arg Ser Cys Glu Pro Ala Thr Arg Val 5 10 15

Pro Glu Val Trp Ile Leu Ser Pro Leu Leu Arg His Gly Gly His Thr 20 25 30

Gln Thr Gln Asn His Thr Ala Ser Pro Arg Ser Pro Val Met Glu Ser 35 40 45

Pro Lys Lys Lys Asn Gln Gln Leu Lys Val Gly Ile Leu His Leu Gly Ser Arg Gln Lys Lys Ile Arg Ile Gln Leu Arg Ser Gln Cys Ala Thr 75 70 Trp Lys Val Ile Cys Lys Ser Cys Ile Ser Gln Thr Pro Gly Ile Asn Leu Asp Leu Gly Ser Gly Val Lys Val Lys Ile Ile Pro Lys Glu Glu 105 His Cys Lys Met Pro Glu Ala Gly Glu Glu Gln Pro Gln Val 120 <210> 792 <211> 461 <212> DNA <213> Homo sapiens <400> 792 cggcggagct gtgagccggc gactcgggtc cctgaggtct ggattctttc tccgctactg 60 agacacggcg gacacacaca aacacagaac cacacagcca gtcccaggag cccagtaatg 120 gagagececa aaaagaagaa eeageagetg aaagteggga teetacaeet gggeageaga 180 cagaagaaga tcaggataca gctgagatcc caggtgctgg gaagggaaat gcgcgacatg 240 gaaggtgatc tgcaagagct gcatcagtca aacaccgggg ataaatctgg atttgggttc 300 cggcgtcaag gtgaagataa tacctaaaga ggaacactgt aaaatgccag aagcaggtga 360 agagcaacca caagtttaaa tgaagacaag ctgaaacaac gcaagctggt tttatattag 420 atatttgact taaactatct caataaagtt ttgcagcttt c <210> 793 <211> 108 <212> PRT <213> Homo sapiens <400> 793 Arg Arg Ser Cys Glu Pro Ala Thr Arg Val Pro Glu Val Trp Ile Leu Ser Pro Leu Leu Arg His Gly Gly His Thr Gln Thr Gln Asn His Thr Ala Ser Pro Arg Ser Pro Val Met Glu Ser Pro Lys Lys Lys Asn Gln 40 Gln Leu Lys Val Gly Ile Leu His Leu Gly Ser Arg Gln Lys Lys Ile 50 Arg Ile Gln Leu Arg Ser Gln Val Leu Gly Arg Glu Met Arg Asp Met

Glu Gly Asp Leu Gln Glu Leu His Gln Ser Asn Thr Gly Asp Lys Ser

85 90 95 Gly Phe Gly Phe Arg Arg Gln Gly Glu Asp Asn Thr 100 105 <210> 794 <211> 970 <212> DNA <213> Homo sapiens <400> 794 tqqqctccca gagctcgggt cctttgcagc ctccaccctg gcgatggctc cctggtccta 60 ctttetetet caaactgget tttteteatt cetttgacte egecagactt cetegeecee 120 atgacctggt gttgtgtctg atcaccccaa cattcctggc tgcccaatgt ggggcaatga 180 agaccccagt gaaggaatgc tagagtgtgt gaaagtggag gacgcatcgt caaaggacac 240 ctqaqqacqt ctcaaagaaq ctcggcggga gaqctgagcg ctcggaagaa ccaagaatca 300 tetettttga aaaategatt eateaaatga atetteagee aacaaetgtt caagaaggat 360 gcaaatatca cagtgttaga tgaactttct ggttgacacc tgacaggaag agcctctgta 420 ttggaccacc atgtttgtgc tcactgtgta gtaacaaacc aacacaccaa aatagcggga 480 gttgccactg acaaagagtt gaatgatcaa atgacggcca aaggaggagg ttccgagaag 540 taaagctttg gaggtcacaa aattagcaat agaagctggg ttccgccata tagattctgc 600 tcatttatac aataatgagg agcaggttgg actggccatc cgaagcaaga ttgcagatgg 660 cagtgtgaag agagaagaca tattctacac ttcaaagctt tggtccactt ttcatcgacc 720 agagttggtc cgaccagcct tggaaaactc actgaaaaaa gctcaattgg actatgttga 780 cctctatctt attcattctc caatgtctct aaagccaggt gaggaacttt caccaacaga 840 tgaaaatgga aaagtaatat ttgacatagt ggatctctgt accacctggg aggccatgga 900 gaagtgtaag gatgcaggat tggccaagtc cattggggtg tcaaacttca acccgcaggc 960 agctggagat 970 <210> 795 <211> 152 <212> PRT <213> Homo sapiens <400> 795 Arg Pro Lys Glu Glu Val Pro Arg Ser Lys Ala Leu Glu Val Thr Lys Leu Ala Ile Glu Ala Gly Phe Arg His Ile Asp Ser Ala His Leu Tyr Asn Asn Glu Glu Gln Val Gly Leu Ala Ile Arg Ser Lys Ile Ala Asp 35 40 Gly Ser Val Lys Arg Glu Asp Ile Phe Tyr Thr Ser Lys Leu Trp Ser 55 Thr Phe His Arg Pro Glu Leu Val Arg Pro Ala Leu Glu Asn Ser Leu 65 70 75 80

Lys Lys Ala Gln Leu Asp Tyr Val Asp Leu Tyr Leu Ile His Ser Pro

90

95

85

Met Ser Leu Lys Pro Gly Glu Glu Leu Ser Pro Thr Asp Glu Asn Gly 105 100 Lys Val Ile Phe Asp Ile Val Asp Leu Cys Thr Thr Trp Glu Ala Met 125 115 Glu Lys Cys Lys Asp Ala Gly Leu Ala Lys Ser Ile Gly Val Ser Asn Phe Asn Pro Gln Ala Ala Gly Asp 150 <210> 796 <211> 2435 <212> DNA <213> Homo sapiens <400> 796 atccactcgg gccgcatcgc cgcggtgcac aacgtgccgc tgagcgtgct catccggccg 60 ctgccgtccg tgttggaccc cgccaaggtg cagagcctcg tggacacgat ccgggaggac 120 ccagacagcg tgcccccat cgatgtcctc tggatcaaag gggcccaggg aggtgactac 180 ttctactcct ttgggggctg ccaccgctac gcggcctacc agcaactgca gcgagagacc 240 atoccogoca agottgtoca gtocactoto toagacotaa gggtgtacot gggagcatoo 300 acaccaqact tgcagtagca gcctccttgg cacctgctgc caccttcaag agcccagaag 360 acacacctgg cctccagcag gctgggccat gcagaaggga tagcaggggt gcattctctt 420 tgcacctggc gagagggtct gactctgggc acccctctca ccagctacaa ggccttggac 480 tcactgtaca gtgtgggagc cccagttccc acctctgtga caataggatc atggccttac 540 ccttgaagca ttaccgagaa ggagaacaga gatgggcttg aagagccacg tgctgccggc 600 tccaaattcc caaggacaag gatccctctg catttttgtc tatgtaacct cttatatgga 660 ctacattcag ctgcaaggaa aggaaaacct tgattgcagt ggtttaaaca aacagaagat 720 tgtttttcca catagcatgg attctggaga tgggtggcta atggtattgg ttcaacaact 780 ccacgaaggt aggggtcacg tettggatee ttttgeetta ateteagtge tegttaette 840 atggtcccaa gatggctgct gtatccccaa gaatcatgtc tgcgttcaag gaaggagggg 900 tggaggaaga ggaagggcca aactagctgg acccgtcacc ttctatcaga aagtaaaacc 960 tcgtcagaag tctgtttcct gctctctccc tctgcatatc ttcacttaga tgcccttggc 1020 ccgagccagc taccattgca cctctagctg caaacaaagc taagacagca gggaacagaa 1080 ttgtcatggc tgaatagacc aatcgtgttc catctactga gactggcaca ctgcctcctg 1140 caataaaact gggatcccat taccaagaga gaaatgcaga attgtgtacc agttagcttt 1200 tgctgtgtaa caaaccatcc ccaaacttgg cagctagaaa caaaccctgt attttcccac 1260 aatcctatgg gttggcaatt tgggctgggc tcaacagggc agttctgctg ctcacacctg 1320 ggatccctca tggagctaag gtcagctgtt acctcagctg ggcctggatg gtctaggata 1380 gccttactca cttgcctggc aggtgacagg ctgttggctg gaattgcttg gttctcctcc 1440 atgtggcctc tccagcaggc tagctcaggc ttattcacat gatggcttca ggattccaaa 1500 gagagtgaga gtagaagctg aaagacttct tgagttcttg gcctggaact gggactagga 1560 cagtgtcact tctgctaagt tcttttggtc agagcaaatc acaaggcttt acccagattc 1620 aagggatgag aaacagacta catgtcttga tgaggggaac cacaaagagc ttgtggccat 1680 ttttcaccta tcacaaataa ttttggatgg gtatttattt ggataaaggt atttccctct 1740 tccccctttc tctctgtctc atggggcctc actctgccaa gttggaaggc actaagacat 1800 tgtcctggcc ctcagggtct aggggaagag gtgttggggc aggaagtgag tctctccatg 1860 ggctggaccc actgtagtag gagtgcctcc ttgtctgcac tgctggtatg gggttaggcc 1920 aggtaggaca ttccagaggg gcttctgaaa accaagagtc cctggggaaa gggaacagag 1980

taaggcaggc cttgttctca ctgccctcta agggaacttg gtcactcggc acttttaagc 2040

<210> 797

<211> 120

<212> PRT

<213> Homo sapiens

<400> 797

Thr Thr Arg Pro Arg Thr Arg Gly Gln Arg Glu Ser Trp Arg His Leu
5 10 15

Ala Ser Gly Ala Gly Val Gly Leu Gly Thr Ala Gly Ser Arg Pro Asp 20 25 30

Arg Gly Gly Val Gly Glu Thr Arg Ala Ala Leu Ala Arg Ala Pro 35 40 45

Pro Pro Gly Arg Ala Glu Trp Tyr Gly Pro Ala Gly Val Lys Ala Gly
50 55 60

Gly Arg Arg Val Pro Arg Arg Arg Arg Trp Gly Cys Val Gln 65 70 75 80

Glu Glu Arg Trp Ala Gly Pro Ala Arg Val Gly Gly Arg Pro Arg Gly
85 90 95

Pro Gly Arg Ala Ala Ala Arg Arg Ala Ala Ala Ser Thr Arg Ala Ala 100 105 110

Ser Pro Arg Cys Thr Thr Cys Arg 115 120

<210> 798

<211> 164

<212> PRT

<213> Homo sapiens

<400> 798

Pro Arg Val Arg Gly Arg Val Gly Ser Ala Ser His Gly Gly Thr Trp

5 10 15

Arg Ala Glu Pro Glu Ser Gly Trp Gly Pro Arg Gly Arg Gly Arg Thr
20 25 30

Ala Ala Gly Ser Gly Glu Lys Arg Ala Leu Pro Trp His Gly Pro Pro

35 40 45 Pro Pro Ala Ala Arg Asn Gly Met Ala Arg Pro Glu Leu Arg Pro Gly 50 Gly Gly Glu Ser Arg Gly Gly Asp Asp Gly Ala Ala Cys Arg Arg Asn Ala Gly Gln Gly Arg Arg Gly Ser Gly Gly Ala Arg Gly Ala Arg Ala Glu Arg Arg Ala Gly Arg Gln His Pro Leu Gly Pro His 105 100 Arg Arg Gly Ala Gln Arg Ala Ala Glu Arg Ala His Pro Ala Ala Ala 120 Val Arg Val Gly Pro Arg Gln Gly Ala Glu Pro Arg Gly His Asp Pro 130 Gly Gly Pro Arg Gln Arg Ala Pro His Arg Cys Pro Leu Asp Gln Arg 145 150 155 Gly Pro Gly Arg <210> 799 <211> 60 <212> PRT <213> Homo sapiens <400> 799 His Ala Ser Ala Asp Ala Trp Ala Ala Arg Val Met Ala Ala Pro Gly Glu Arg Ser Arg Ser Arg Ala Gly Asp Arg Gly Val Glu Ala Gly Pro Arg Arg Gly Arg Gly Asn Ala Arg Cys Pro Gly Thr Gly Pro Pro Pro Arg Pro Arg Gly Met Val Trp Pro Gly Arg Ser

<210> 800

<211> 2477

<212> DNA

<213> Homo sapien

<400> 800

gccttggcaa aaaagcacaa gcgaacccca gccttgattg ccctgcgcta ccagctacag 60 cgtggggttg tggtcctggc caagagctac aatgagcagc gcatcagaca gaacgtgcag 120

gtgtttgaat tocagttgac ttcagaggag atgaaagcca tagatggcct aaacagaaat 180 gtgcgatatt tgacccttga tatttttgct ggccccccta attatccatt ttctgatgaa 240 tattaacatq qaqqqcattq catqagqtct gccagaagqc cctqcqtqtg gatqqtqaca 300 cagaggatgg ctctatgctg gtgactggac acatcgcctc tggttaaatc tctcctgctt 360 ggtgatttca gcaagctaca gcaaagccca ttggccagaa aggaaagaca ataattttgt 420 tttttcattt tgaaaaaatt aaatgetete teetaaagat tetteaeeta etttggtete 480 cataacttct atgttttctt tccttctgac acactagtgc ccctaaattg tgatttgcct 540 atacgtttag ggccggggtt ggaagatgtt aacaaccatt taagattcat ttctgcagtg 600 ggagtgggtg gagtttcacc ctctgggaaa ggggcaggtg acaggtattt atcagtcagt 660 gcctctctag ctcttgtagg aagaagcaca cgcaggatgg agtctagagg atgagcgata 720 ttgactagca attcatgggc tccctccagc agtgcgaggg tcagagtttc tggagccttg 780 ggaggaggca tccctgtgag ggggggttag ggagatggga gggcaccagg aaaagtgatt 840 agaagtcagg tatgggaagg ctaaatagga cagagtcgag tacatctctg cttggaaaaa 900 catatcaaca ccctttttt tgaacattat atcttgctca taaaagaaaa ctttccacat 960 tgttttaaca aaccccacag ctgagagtca ggcctgaatc tttgatgtgt gcccagtcac 1020 agagttgacc ctattggttt gtggtggggc agggcatcaa agacatcatt gactaatcac 1080 attcccctga atagctcata tttagaaaat attcttagat tctaaaaaatg tactattaat 1140 ttgtgatatt cagtctttta aatattttat acattaaaca ggcatagtta caaatataaa 1200 acaaaaatat cccaaagcca ttatgcatgg cactcaagat taaaatggga aataatacat 1260 ctaataaatc aaatgttcca agacttcaaa ggtcttttgg aaacaggcta tgtaaaacag 1320 cacactggtt tcaaactttg gtaaatttta agaacaactc ttacaaaggc atttaattct 1380 tatacataat tttcagggga cctaagttaa tcagctaatc atgaagacat gattttcatt 1440 ttagaaaaca cttttgaaaa cttgggataa tctcatgcct taatgatcaa agcattatga 1500 gaaggacagt ggtttttaac ctgggcatat gttctaacac atttactctc cactattcgt 1560 actotggtag coatgttaac cocatcagag attocttoto aagcoatgto toagagotga 1620 gaggcatccc agcaagtttt gcagctcaca gttttttccg taaattactt attctataaa 1680 attggagtag gccataaact ttggagggcc ctagaccaat tttttggatt atttttcgtc 1740 ttctatcatt ccgctgatct tagatattct ctgcattaaa tattaaatat cacttctagg 1800 ctgaaaaatc cccctaaaaa tatttctagc tcagattttt cctccaaatt ctgcaataga 1860 agatcacaat gtgaactctg catctccatg ttaaagtcta atggacattc acacttagca 1920 tgtctcaaag aaatctcatg taaaccatgg ccatcctgtt ctaccttaac tttctgagtc 1980 tatggaatga taatttcaca tctcataaac ttgactgatg taagtgtcaa gaaaagattg 2040 acattttgtt aaaagttagt agtgaagtgt gtaacgctta agcaaacttt catatttcaa 2100 atctctttag caagtgtaac tctttttca agatgtgaaa taatcattag gtcagtcatt 2160 tgtaaatagt acatctgcta tggacttttt ccagttcttc accatccatt tttataaaac 2220 tcttattgtt aaaaaaaaag ttactcagaa tttcataaag ccaaacacct gatttcagga 2280 acacttgaga tgtaagaaaa ttttataggg acctccaatc actaattttc ctatttttc 2340 teteaaagaa atgetgaagg gaggaattea ggttgaatga aaggaaatag taaettacag 2400 ccatatagag ttataaagac ttcttgtaaa tgtgaacata tggtaaaata taaaaacatg 2460 2477 tatttttgaa aaaaaaa

```
<210> 801
<211> 1619
```

<212> DNA

<213> Homo sapien

<400> 801
ggtacgcgcc cgcttgcgct ccggcctcta ctcggcggtc atcgtctacg acgagcgcag 60
cccgcgcgcc gagagcctcc gcgaggacag caccgtgtcg ctggtggtgc aggcgctgcg 120
ccgcaacgcc gagcgcaccg acatctgcct gctcaaaggc ggctatgaga ggttttcctc 180
cgagtaccca gaattctgtt ctaaaaccaa ggccctggca gccatcccac ccccggttcc 240
ccccagtgcc acagagccct tggacctggg ctgcagctcc tgtgggaccc cactacacga 300
ccaggggggt cctgtggaga tccttccctt cctctacctc ggcagtgcct accatgctgc 360
ccggagagac atgctggacg ccctgggcat cacggctctg ttgaatgtct cctcggactg 420

cccaaaccac tttgaaggac actatcagta caagtgcatc ccagtggaag ataaccacaa 480 ggccgacatc agctcctggt tcatggaagc catagagtac atcgatgccg tgaaggactg 540 ccgtgggcgc gtgctggtgc actgccaggc gggcatctcg cggtcggcca ccatctgcct 600 ggcctacctg atgatgaaga aacgggtgag gctggaggag gccttcgagt tcgttaagca 660 gcgccgcagc attatctcgc ccaacttcag cttcatgggg cagctgctgc agttcgagtc 720 ccaggtgctg gccacgtcct gtgctgcgga ggctgctagc ccctcgggac ccctgcggga 780 geggggeaag acceeegcea ceceeacete geagttegte tteagettte eggteteegt 840 gggcgtgcac tcggccccca gcagcctgcc ctacctgcac agccccatca ccacctctcc 900 cagctgttag agccgccctg ggggccccag aaccagagct ggctcccagc aagggtagga 960 cgggccgcat gcgggcagaa agttgggact gagcagctgg gagcaggcga ccgagctcct 1020 tccccatcat ttctccttgg ccaacgacga ggccagccag aatggcaata aggactccga 1080 atacataata aaagcaaaca gaacactcca acttagagca ataacggctg ccgcagcagc 1140 cagggaagac cttggtttgg tttatgtgtc agtttcactt ttccgataga aatttcttac 1200 ctcatttttt taagcagtaa ggcttgaagt gatgaaaccc acagatccta gcaaatgtgc 1260 ccaaccagct ttactaaagg gggaggaagg gagggcaaag ggatgagaag acaagtttcc 1320 cagaagtgcc tggttctgtg tacttgtccc tttgttgtcg ttgttgtagt taaaggaatt 1380 tcatttttta aaagaaatct tcgaaggtgt ggttttcatt tctcagtcac caacagatga 1440 ataattatgc ttaataataa agtatttatt aagactttct tcagagtatg aaagtacaaa 1500 aagtctagtt acagtggatt tagaatatat ttatgttgat gtcaaacagc tgagcaccgt 1560 agcatgcaga tgtcaaggca gttaggaaga attaggtttg aattgctttt taaaaaaaa 1619

```
<210> 802
<211> 3115
<212> DNA
<213> Homo sapien
```

<400> 802 cgtccgcgga cgcgtgggct catcttgaga agcaggcggg ttggggtggga ggaggaagaa 60 agggaagaat taggtttgaa ttgctttttt aaaaaaaaag aaaagaaaaa aaaagacagc 120 atctcactat gttgccaagg ctcatctcaa gctcttgggc tcaagagatc ctcccacctc 180 ggcctcctga gtagctggga ctgcaggtgt gtgtcatcat gaccaatgtg aattgctttt 240 gaagctggtt catgggcatg taggccaccg aagcaatttt agaccacagt aagtcaagct 300 tttttccctc cgatgatcac tgggtggttg cagcattttt tgcataaacc tgcctaagac 360 ttgtctatcg tctgtgatca atatgccata ttacactaag gtgctcctgg aaaattgggt 420 gcagttcaaa ttttcctaca gcaaatcatt tggcaaggcc agccattggg gaaaccagac 480 aactagagat aaccctgaaa tgaatccttt tgtaaattga agcaccatct tttcttttt 540 tgcataaatt ggaggtttta attttagggc agttacctga agtgaaatat accaacaatt 600 tottgtgtto tttaaattoo tagttaggtg aatatttttg aaggtootot tttgaataaa 660 gaggggaatg gacaccacat ttcaggtctt ctcgaagtgt ggaagggcaa gagagcatca 720 gtgagctgat ggtggattgc ttacatcgga ttccattggt atgaatttcc caaactggaa 780 atcaaagcgc cagggtgggg ttggggctga ctgctggtga gggggctggc cgctggctcc 840 cgtgacgtgc gtcatgggca cgcaggcgcc attttgaatc tatcgtcggc acgtgggtgc 900 cattttgaat ccttagttgg gcctttctaa atggagaatg gctttggagg gagacacgtt 960 ttctgtgggg agggtttggg ggggagggag gagggaacaa gctacatgct attttgtttg 1020 tagtattgtg gaacagtctt gttatggagt gccagcttag aggttgttgc aaacttgtct 1080 agaagtgaga gcatggtttt ttttagccct ttgagagtct acatctaatg aacattcttg 1140 ctcacccata aataacgtca agcctcaatg tcaccgtcac gttgggatac tctttctcat 1200 ctggcatcct agacaggaca aggttggtta cctttccttc catgaaccat gaacctgtga 1260 cggcatcatt catcctgact tcaccaagct ccgcctgtgg gtgaggccag agctcccact 1320 ggcaattttt agaagagcca gaggctccct gcttcctcta gaaataacag ttcagggtga 1380 agcatggagg gtttcagttc ccagacaatg gaaccattta gagacaacac agttggacat 1440 ttccactttt teettgatte etggaagtee agtgggttet geagetgaaa aageeetggg 1500 tcccagcagc agagagacag gacagagggg atgcttgggc ggggagggac ggtaacctgc 1560

```
agaacagatt ccatttttat agaacgagta cacgtttgct aaaacagtcc tgctttccca 1620
gactggattc ccaccacagg gacagtcgga actcaggact agctccagcg acatctttcc 1680
tccgaattca agccttctat cacaatgtca aaacagctat ttataaagcc attttcattg 1740
tacttgataa cagcacgagt cccaaaactt ttagaaataa aataggacat tggcttgatt 1800
gaaaagaggg actttttaaa aattgttctt tcgtcagaag ccttttggat gacttacaat 1860
agetetgatg aagataceae eecagegtea gteeaatagg teagtgagtt teaacaggea 1920
tccatccctc ccatgaaggg attctggtga ggggaagttt ctgtaatgac aggaaagcat 1980
tgaccctcat tgattgtcaa ctttggtatt agccatgaaa gacaggatgc tcattgggtg 2040
ttctgtagag tgaggaatgc tgcctattcc ctcccagaac gtctgaccca ggggtgtgtg 2100
ttgaggagcc ctgggggaaa tggaccaagt tttcccacag agcagtatta ggctgaagag 2160
caggtgactg gtaggcccca gctcccatca ttccctccca aagccatttt gttcagttgc 2220
tcatccacgc tggattccag agagttttcc aatttgggaa gccatgagaa aggtttttaa 2280
atcttgggaa gatggagaga gggacatagg atagttgact ccaacatgac aggaagaggc 2340
tqqaqattqq qaattqgcca tcaaccaagc ctgtagtagt aaagccatgg tcccgcattg 2400
gaattacttg gggaacttat acagttctga tacccaggct ctcctagacc agttcaacca 2460
attctaggtg ggggactcag gcatcagtgt gtttcgtagc tccccgggtg ttttccctgt 2520
gcagccgagc ttgggaaact gccatgcttt ttggatgtca aggcgctgtt ggaggctggg 2580
tgtgacagca cagagccagg ttgtcttgtg gaaaccacag ccacgggttt gccactggct 2640
cagcatggcc tcactgccag tcccagcctg gctgagggac aagatggttt ctcttgggag 2700
ttcctgagtg gagcaccctt ccaggctttt tgaaagccag ctgatctgtg gagccttgtt 2760
aagggactca atacggtgtt tggatattga tgtttttcct tgagactgtc ttgtccatca 2820
ataaagatgg aggatgtete etetttgaac eeegetteee eaecagtaet eteteteeet 2880
tagagtttat gagttattca aggaggagac ttcttaaaga cagcaacgca attcttgtaa 2940
cttgtgtaaa tagccccatc tttcagagtg ataccatttc tacatttgat aatgcctgta 3000
ttcctgtagg atgtatatag tttaggggat tttttttttg tttggttttg ttttttagaa 3060
gtcaatatgt ctggttttat ttattgcttg aaaaagatca tttgaaaaaa ataaa
<210> 803
<211> 1238
<212> DNA
<213> Homo sapien
<400> 803
cccgggttct cttctcttcc tcgcgcgccc agccgcctcg gttcccggcg accatggtga 60
cgatggagga gctgcgggag atggactgca gtgtgctcaa aaggctgatg aaccgggacg 120
agaatggcgg cggcgcgggc ggcagcggca gccacggcac cctggggctg ccgagcggcg 180
gcaagtgcct gctgctggac tgcagaccgt tcctggcgca cagcgcgggc tacatcctag 240
qtteqqteaa egtgegetgt aacaccateg tgeggeggeg ggetaaggge teegtgagee 300
tggagcagat cctgcccgcc gaggaggagg tacgcgcccg cttgcgctcc ggcctctact 360
cggcggtcat cgtctacgac gagcgcagcc cgcgcgccga gagcctccgc gaggacagca 420
ccgtgtcgct ggtggtgcag gcgctgcgcc gcaacgccga gcgcaccgac atctgcctgc 480
tcaaaggcgg ctatgagagg ttttcctccg agtacccaga attctgttct aaaaccaagg 540
ccctggcagc catcccaccc ccggttcccc ccagcgccac agagcccttg gacctggact 600
tctacctcgg cagtgcctac catgctgccc ggagagacat gctggacgcc ctgggcatca 720
cggctctgtt gaatgtctcc tcggactgcc caaaccactt tgaaggacac tatcagtaca 780
agtgcatccc agtggaagat aaccacaagg ccgacatcag ctcctggttc atggaagcca 840
tagagtacat cgatgccgtg aaggactgcc gtgggcgcgt gctggtgcac tgccaggcgg 900
gcatctcgcg gtcggccacc atctgcctgg cctacctgat gatgaagaaa cgggtgaggc 960
tggaggaggc cttcgagttc gttaagcagc gccgcagcat catctcgccc aacttcagct 1020
tcatggggca gctgctgcag ttcgagtccc aggtgctggc cacgtcctgt gctgcggagg 1080
ctgctagccc ctcgggaccc ctgggggagc ggggcaagac ccccgccacc cccacctcgc 1140
agttcgtctt cagctttccg gtctccgtgg gcgtgcactc ggcccccagc agcctgccct 1200
                                                                 1238
```

acctgcacag ccccatcacc acctctccca gctgttag

<210> 804 <211> 4637 <212> DNA <213> Homo sapiens

<400> 804 ggtacgcgcc cgcttgcgct ccggcctcta ctcggcggtc atcgtctacg acgagcgcag 60 cccgcgcgcc gagagcctcc gcgaggacag caccgtgtcg ctggtggtgc aggcgctgcg 120 ccgcaacgcc gagcgcaccg acatetgcct gctcaaaggc ggctatgaga ggttttcctc 180 cgagtaccca gaattetgtt ctaaaaccaa ggccctggca gccatcccac ccccggttcc 240 ccccagtgcc acagagccct tggacctggg ctgcagctcc tgtgggaccc cactacacga 300 ccaggggggt cctgtggaga tccttccctt cctctacctc ggcagtgcct accatgctgc 360 ccggagagac atgctggacg ccctgggcat cacggctctg ttgaatgtct cctcggactg 420 cccaaaccac tttgaaggac actatcagta caagtgcatc ccagtggaag ataaccacaa 480 ggccgacatc agctcctggt tcatggaagc catagagtac atcgatgccg tgaaggactg 540 ccgtgggcgc gtgctggtgc actgccaggc gggcatctcg cggtcggcca ccatctgcct 600 ggcctacctg atgatgaaga aacgggtgag gcttggaggag gccttcgagt tcgttaagca 660 gcgccgcagc attatctcgc ccaacttcag cttcatgggg cagctgctgc agttcgagtc 720 ccaggtgctg gccacgtcct gtgctgcgga ggctgctagc ccctcggggac ccctgcggga 780 gcggggcaag acccccgcca cccccacctc gcagttcgtc ttcagctttc cggtctccgt 840 gggcgtgcac tcggccccca gcagcctgcc ctacctgcac agccccatca ccacctctcc 900 cagctgttag agccgccctg ggggccccag aaccagagct ggctcccagc aagggtagga 960 cgggccgcat gcgggcagaa agttgggact gagcagctgg gagcaggcga ccgagctcct 1020 tececateat tecteettgg ceaacgaega ggeeageeag aatggeaata aggaeteega 1080 atacataata aaagcaaaca gaacactcca acttagagca ataacggctg ccgcagcagc 1140 cagggaagac cttggtttgg tttatgtgtc agtttcactt ttccgataga aatttcttac 1200 ctcatttttt taagcagtaa ggcttgaagt gatgaaaccc acagatccta gcaaatgtgc 1260 ccaaccagct ttactaaagg gggaggaagg gagggcaaag ggatgagaag acaagtttcc 1320 cagaagtgcc tggttctgtg tacttgtccc tttgttgtcg ttgttgtagt taaaggaatt 1380 tcatttttta aaagaaatct tcgaaggtgt ggttttcatt tctcagtcac caacagatga 1440 ataattatgc ttaataataa agtatttatt aagactttct tcagagtatg aaagtacaaa 1500 aagtctagtt acagtggatt tagaatatat ttatgttgat gtcaaacagc tgagcaccgt 1560 agcatgcaga tgtcaaggca gttaggaaga attaggtttg aattgctttt ttaaaaaaaa 1620 agaaaagaaa aaaaaagaca gcatctcact atgttgccaa ggctcatctc aagctcttgg 1680 gctcaagaga tcctcccacc tcggcctcct gagtagctgg gactgcaggt gtgtgtcatc 1740 atgaccaatg tgaattgctt ttgaagctgg ttcatgggca tgtaggccac cgaagcaatt 1800 ttagaccaca gtaagtcaag ctttttccc tccgatgatc actgggtggt tgcagcattt 1860 tttgcataaa cctgcctaag acttgtctat cgtctgtgat caatatgcca tattacacta 1920 aggtgctcct ggaaaattgg gtgcagttca aattttccta cagcaaatca tttggcaagg 1980 ccagccattg gggaaaccag acaactagag ataaccctga aatgaatcct tttgtaaatt 2040 gaagcaccat cttttctttt tttgcataaa ttggaggttt taattttagg gcagttacct 2100 gaagtgaaat ataccaacaa tttcttgtgt tctttaaatt cctagttagg tgaatatttt 2160 tgaaggtcct cttttgaata aagaggggaa tggacaccac atttcaggtc ttctcgaagt 2220 gtggaagggc aagagagcat cagtgagctg atggtggatt gcttacatcg gattccattg 2280 gtatgaattt cccaaactgg aaatcaaagc gccagggtgg ggttggggct gactgctggt 2340 gagggggctg gccgctggct cccgtgacgt gcgtcatggg cacgcaggcg ccattttgaa 2400 tctatcgtcg gcacgtgggt gccattttga atccttagtt gggcctttct aaatggagaa 2460 tggctttgga gggagacacg ttttctgtgg ggagggtttg ggggggaggg aggagggaac 2520 aagctacatg ctattttgtt tgtagtattg tggaacagtc ttgttatgga gtgccagctt 2580 agaggttgtt gcaaacttgt ctagaagtga gagcatggtt ttttttagcc ctttgagagt 2640 ctacatctaa tgaacattct tgctcaccca taaataacgt caagcctcaa tgtcaccgtc 2700 acgttgggat actctttctc atctggcatc ctagacagga caaggttggt tacctttcct 2760 tecatgaace atgaacetgt gaeggeatea tteateetga etteaceaag eteegeetgt 2820

```
gggtgaggcc agagctccca ctggcaattt ttagaagagc cagaggctcc ctgcttcctc 2880
taqaaataac agttcagggt gaagcatgga gggtttcagt tcccagacaa tggaaccatt 2940
tagagacaac acagttggac atttccactt tttccttgat tcctggaagt ccagtgggtt 3000
ctgcagctga aaaagccctg ggtcccagca gcagagagac aggacagagg ggatgcttgg 3060
gcggggaggg acggtaacct gcagaacaga ttccattttt atagaacgag tacacgtttg 3120
ctaaaacagt cctgctttcc cagactggat tcccaccaca gggacagtcg gaactcagga 3180
ctagetecag egacatettt ceteegaatt caageettet ateacaatgt caaaacaget 3240
atttataaag ccattttcat tgtacttgat aacagcacga gtcccaaaac ttttagaaat 3300
aaaataggac attggcttga ttgaaaagag ggacttttta aaaattgttc tttcgtcaga 3360
agcettttgg atgaettaca atagetetga tgaagatace accecagegt cagtecaata 3420
ggtcagtgag tttcaacagg catccatccc tcccatgaag ggattctggt gaggggaagt 3480
ttctgtaatg acaggaaagc attgaccctc attgattgtc aactttggta ttagccatga 3540
aagacaggat gctcattggg tgttctgtag agtgaggaat gctgcctatt ccctcccaga 3600
acgtetgace caggggtgtg tgttgaggag ceetggggga aatggaccaa gtttteecac 3660
agagcagtat taggctgaag agcaggtgac tggtaggccc cagctcccat cattccctcc 3720
caaagccatt ttgttcagtt gctcatccac gctggattcc agagagtttt ccaatttggg 3780
aagccatgag aaaggttttt aaatcttggg aagatggaga gagggacata ggatagttga 3840
ctccaacatg acaggaagag gctggagatt gggaattggc catcaaccaa gcctgtagta 3900
gtaaagccat ggtcccgcat tggaattact tggggaactt atacagttct gatacccagg 3960
ctctcctaga ccagttcaac caattctagg tgggggactc aggcatcagt gtgtttcgta 4020
gctccccggg tgttttccct gtgcagccga gcttgggaaa ctgccatgct ttttggatgt 4080
caaqqcqctq ttqqaqqctq qqtqtgacag cacagagcca ggttgtcttg tggaaaccac 4140
agccacgggt ttgccactgg ctcagcatgg cctcactgcc agtcccagcc tggctgaggg 4200
acaagatggt ttctcttggg agttcctgag tggagcaccc ttccaggctt tttgaaagcc 4260
agetgatetg tggageettg ttaagggaet caatacggtg tttggatatt gatgttttte 4320
cttgagactg tcttgtccat caataaagat ggaggatgtc tcctctttga accccgcttc 4380
cccaccaqta ctctctctcc cttagagttt atgagttatt caaggaggag acttcttaaa 4440
gacagcaacg caattettgt aacttgtgta aatagceeca tettteagag tgataecatt 4500
tctacatttg ataatgcctg tattcctgta ggatgtatat agtttagggg atttttttt 4560
tgtttggttt tgttttttag aagtcaatat gtctggtttt atttattgct tgaaaaagat 4620
                                                                  4637
catttgaaaa aaataaa
```

210> 805

<211> 394

<212> PRT

<213> Homo sapiens

<400> 805

Met Val Thr Met Glu Glu Leu Arg Glu Met Asp Cys Ser Val Leu Lys
5 10 15

Arg Leu Met Asn Arg Asp Glu Asn Gly Gly Gly Ala Gly Gly Ser Gly
20 25 30

Ser His Gly Thr Leu Gly Leu Pro Ser Gly Gly Lys Cys Leu Leu Leu 35 40 45

Asp Cys Arg Pro Phe Leu Ala His Ser Ala Gly Tyr Ile Leu Gly Ser
50 55 60

Val Asn Val Arg Cys Asn Thr Ile Val Arg Arg Arg Ala Lys Gly Ser 65 70 75 80

Val Ser Leu Glu Gln Ile Leu Pro Ala Glu Glu Val Arg Ala Arg

95 90 85 Leu Arg Ser Gly Leu Tyr Ser Ala Val Ile Val Tyr Asp Glu Arg Ser 105 Pro Arg Ala Glu Ser Leu Arg Glu Asp Ser Thr Val Ser Leu Val Val 120 Gln Ala Leu Arg Arg Asn Ala Glu Arg Thr Asp Ile Cys Leu Leu Lys 135 Gly Gly Tyr Glu Arg Phe Ser Ser Glu Tyr Pro Glu Phe Cys Ser Lys 150 Thr Lys Ala Leu Ala Ala Ile Pro Pro Pro Val Pro Pro Ser Ala Thr 165 Glu Pro Leu Asp Leu Asp Cys Ser Ser Cys Gly Thr Pro Leu His Asp 185 Gln Glu Gly Pro Val Glu Ile Leu Pro Phe Leu Tyr Leu Gly Ser Ala 200 Tyr His Ala Ala Arg Arg Asp Met Leu Asp Ala Leu Gly Ile Thr Ala 215 Leu Leu Asn Val Ser Ser Asp Cys Pro Asn His Phe Glu Gly His Tyr 235 225 Gln Tyr Lys Cys Ile Pro Val Glu Asp Asn His Lys Ala Asp Ile Ser 250 Ser Trp Phe Met Glu Ala Ile Glu Tyr Ile Asp Ala Val Lys Asp Cys 265 260 Arg Gly Arg Val Leu Val His Cys Gln Ala Gly Ile Ser Arg Ser Ala Thr Ile Cys Leu Ala Tyr Leu Met Met Lys Lys Arg Val Arg Leu Glu 295 Glu Ala Phe Glu Phe Val Lys Gln Arg Arg Ser Ile Ile Ser Pro Asn 315 305 310 Phe Ser Phe Met Gly Gln Leu Leu Gln Phe Glu Ser Gln Val Leu Ala 330 Thr Ser Cys Ala Ala Glu Ala Ala Ser Pro Ser Gly Pro Leu Gly Glu 345 340 Arg Gly Lys Thr Pro Ala Thr Pro Thr Ser Gln Phe Val Phe Ser Phe 355 Pro Val Ser Val Gly Val His Ser Ala Pro Ser Ser Leu Pro Tyr Leu 370 375 380

His Ser Pro Ile Thr Thr Ser Pro Ser Cys 385 390

<210> 806

<211> 302

<212> PRT

<213> Homo sapiens

<400> 806

Val Arg Ala Arg Leu Arg Ser Gly Leu Tyr Ser Ala Val Ile Val Tyr
5 10 15

Asp Glu Arg Ser Pro Arg Ala Glu Ser Leu Arg Glu Asp Ser Thr Val 20 25 30

Ser Leu Val Val Gln Ala Leu Arg Arg Asn Ala Glu Arg Thr Asp Ile 35 40 45

Cys Leu Leu Lys Gly Gly Tyr Glu Arg Phe Ser Ser Glu Tyr Pro Glu
50 55 60

Phe Cys Ser Lys Thr Lys Ala Leu Ala Ala Ile Pro Pro Pro Val Pro 65 70 75 80

Pro Ser Ala Thr Glu Pro Leu Asp Leu Gly Cys Ser Ser Cys Gly Thr
85 90 95

Pro Leu His Asp Gln Gly Gly Pro Val Glu Ile Leu Pro Phe Leu Tyr 100 105 110

Leu Gly Ser Ala Tyr His Ala Ala Arg Arg Asp Met Leu Asp Ala Leu 115 120 125

Gly Ile Thr Ala Leu Leu Asn Val Ser Ser Asp Cys Pro Asn His Phe 130 135 140

Glu Gly His Tyr Gln Tyr Lys Cys Ile Pro Val Glu Asp Asn His Lys 145 150 155 160

Ala Asp Ile Ser Ser Trp Phe Met Glu Ala Ile Glu Tyr Ile Asp Ala 165 170 175

Val Lys Asp Cys Arg Gly Arg Val Leu Val His Cys Gln Ala Gly Ile 180 185 190

Ser Arg Ser Ala Thr Ile Cys Leu Ala Tyr Leu Met Met Lys Lys Arg 195 200 205

Val Arg Leu Glu Glu Ala Phe Glu Phe Val Lys Gln Arg Arg Ser Ile 210 215 220 <210> 807 <211> 3829

Ile Ser Pro Asn Phe Ser Phe Met Gly Gln Leu Leu Gln Phe Glu Ser 240 Gln Val Leu Ala Thr 245 Ser Cys Ala Ala Glu Ala Ala Ser Pro Ser Gly 255 Pro Leu Arg Glu Arg Gly Lys Thr Pro Ala Thr Pro Thr Ser Gln Phe 260 Phe 275 Phe Pro Val Ser Val Gly Val His Ser Ala Pro Ser Ser Leu Pro 290 Tyr Leu His Ser Pro 295 The Thr Thr Ser Pro Ser Cys 300

<212> DNA <213> Homo sapiens <400> 807 gtttgaaagt gtgtagcacc tccaccttct ctctctctct ccctctccct ctcctgccag 60 ccaagtgaag acatgcttac ttccccttca ccttccttca tgatgtggga agagtgctgc 120 aacccagccc tagccaacgc cgcatgagag ggagtgtgcc gagggcttct gagaaggttt 180 ctctcacatc tagaaagaag cqcttaagat gtggcagccc ctcttcttca agtggctctt 240 qtcctqttqc cctqqqaqtt ctcaaattqc tqcaqcaqcc tccacccaqc ctqaggatga 300 catcaataca cagaggaaga agagtcagga aaagatgaga gaagttacag actctcctgg 360 qcqaccccqa qaqcttacca ttcctcagac ttcttcacat ggtgctaaca gatttgttcc 420 taaaaqtaaa getetagagg eegteaaatt ggeaatagaa geegggttee accatattga 480 ttctgcacat gtttacaata atgaggagca ggttggactg gccatccgaa gcaagattgc 540 agatggcagt gtgaagagag aagacatatt ctacacttca aagctttgga gcaattccca 600 tegaceagag tiggicegae eageetigga aaggicacig aaaaatetie aatiggaeta 660 tgttgacctc tatcttattc attttccagt gtctgtaaag ccaggtgagg aagtgatccc 720 aaaagatgaa aatggaaaaa tactatttga cacagtggat ctctgtgcca catgggaggc 780 catggagaag tgtaaagatg caggattggc caagtccatc ggggtgtcca acttcaacca 840 caggetgetg gagatgatee teaacaagee agggeteaag tacaageetg tetgeaacea 900 ggtggaatgt catccttact tcaaccagag aaaactgctg gatttctgca agtcaaaaga 960 cattgttctg gttgcctata gtgctctgyg atcccatcga gaagaaccat gggtggaccc 1020 gaacteeeeg gtgetettgg aggaceeagt eetttgtgee ttggeaaaaa agcacaageg 1080 aaccccagcc ctgattgccc tgcgctacca gctgcagcgt ggggttgtgg tcctggccaa 1140 gagetacaat gageagegea teagacagaa egtgeaggtg titgaattee agtigaette 1200 agaqgagatg aaagccatag atggcctaaa cagaaatgtg cgatatttga cccttgatat 1260 ttttgctggc ccccctaatt atccattttc tgatgaatat taacatggag ggcattgcat 1320 gaggtetgee agaaggeeet gegtgtggat ggtgaeaeag aggatggete tatgetggtg 1380 actggacaca tegeetetgg ttaaatetet eetgettgge gaetteagta agetaeaget 1440 aagcccatcg gccggaaaag aaagacaata attttgtttt tcattttgaa aaaattaaat 1500 getetetet aaagattett cacetaettt ggteteeata aettetatgt tttetetet 1560 tetgacacae tagtgeeeee aaattgtgat ttgeetatae gtttagggee gggattggaa 1620 qatqttaaca accatttaag attcatttct gcagtgggag tgggtggagt ttcaccctct 1680 gggaaagggg caggtgacag gtatttatca gtcagtgcct ctctagctct tgtaggaaga 1740 agcacacgca ggatggagtc tagaggatga gcgatattga ccagcaattc atgggctccc 1800 tecageagtg egagggteag agtttetgga geettgggag gaggeaacce tgtgaggggg 1860

ggttagggag	atgggagggc	accaggaaaa	gtgattagaa	gtcaggtatg	ggaaggctaa	1920
ataggacaga	gtcgagtaca	tctctgcttg	gaaaaacata	tcaacaccct	tttttttga	1980
tcattatatc	ttgttcataa	aagaaaactt	tccacattgt	tttaacaaac	cccacagctg	2040
agagtcaggc	ctgaatcttt	gatgtgtgcc	cattcacaac	gttgacccta	ttggtttgtg	2100
gtggggcagg	acatcgaaga	tatcattgac	taatcacatt	cccctgaata	gctcatattt	2160
agaaaatatt	cttagattgt	aaaaatgtac	tgttcatttg	ttatattcaa	tcttttaaat	2220
gttttatact	ttaaacaagg	catagttaca	agtataaaac	ataaatatcc	caaagccatt	2280
atgcatggca	ctcaagatta	aaatgggaaa	taatacatct	aataaatcaa	atgttccaag	2340
acttcaaatg	tcttttggaa	acaggctatg	taaaacagca	cactggtttc	aaactttggt	2400
aaattttaag	aagaactctt	acaaaggcat	ttaattctta	tacataattt	tcaggggacc	2460
taagttaatc	agctaatcat	gaagacatga	ttttcgtttt	agaaaacact	tttgaaaact	2520
tgggataatc	tcatgtctta	atgatcaaag	cattatgaga	aggacagtgg	ttttttacct	2580
gggcacactt	tctaacacat	ttactctcca	ctattcgtac	tctggtagcc	acgttaaccc	2640
catcagagat	tccttctcaa	gccatgtctc	agagctgata	ggcatcccag	caagttttgc	2700
agctcacaat	ttttctgtaa	attacttatt	ctataaaatt	ggaagaggcc	ataaactttg	2760
gagggcccta	gaccaatttt	ttggattatt	tctggtctac	tctcattccg	ttgatgatct	2820
tagatattct	ctgcattaaa	tatcacctct	aggctgagaa	atccaccaaa	aaatatttct	2880
agctcagcgt	tttcctccaa	atcttcaatg	gaagatcata	atgtgaactc	tgcatctcca	2940
		tcacatttag	_			
ggccatcctg	ttctacctta	actttctgag	tctatggaat	gataatttca	catctcataa	3060
acttgactga	tgtaagtgtc	aagaaaagat	tgacattttg	ttaaaacttc	gtagccaagt	3120
gtgtaacgct	taagcagact	ttcatatttc	aaatctctat	agcacgtgta	actcttttt	3180
		aggtcagtca				
ttccagttct	tcaccatcca	tttttataaa	actcttattg	ttaaaaaaaa	aaagttactc	3300
agaatttcat	aaagccaaac	acctgatttc	aggaacactt	gagatgtaag	aaaattttat	3360
agggacctcc	aatcactaat	tttcctattt	tttctctcaa	agaaatgctg	aagggaggaa	3420
ttcaggttga	atgaaaggaa	atagtaactt	acagccatat	agagttataa	agacttcttg	3480
taaatgtgaa	catatggtaa	aatataaaaa	catgtatttt	tgaaaaaatg	gattctactc	3540
		gatataaatg		-	_	
cgtacgcaat	gtaggaagct	gtaattactg	accaaaacta	tgtgaagtgg	agaaaacctg	3660
gggaagtgga	tggttttaga	tgaaactgaa	gttaaattca	tattgattta	aagtaaattg	3720
	-	tcatcatcac	_		taattatgaa	
tatacgcaag	aggaaatgag	aagggaatcc	aaatgtcatt	aaaaaaaa		3829

```
<210> 808 <211> 781
```

<212> DNA

<213> Homo sapiens

<400> 808

```
geggeggage tgtgageeg egaetegggt eccetgaggte tggattettt eteegetaet 60 gagacaegge gggtaggtee acaggeagat ecaactggga gttgaagtgt gagtgagagt 120 gaagaggaac eageaggett eeggagggtt gtgtggteag tgaeteagag tgagaaggee 180 etegaagteg teegteetet eatgeggtge eaegeeeatg gaeettettg tetegteaeg 240 geeataacta gggaggaagg agggeegagg agtggagggg eteaggegaa getggggtge 300 tgttggggt ateegagtee eagaageaee tggaaeeeeg acagaagatt etggaeteee 360 eagaegggae eaggagaggg aeggeatgag egaeaeaeae aaaeaaagaa eeagaagate etggaetee 420 agteeeaga geeeagtaat ggagageee aaaaagaaga aeeageagee gaaagteggg 480 ateetaeaee tgggeageag aeagaagaag ateaggatae agetgagate eeagtgegg 540 acatggaagg teaaggtgaa gataataeet agteaaaeae eggggataaa tetggattg 600 ggttaagage aaeeacaagt ttaaatgaag acaagetgaa acaaegeaag etggttttat 720 attagatat tgaettaaae tateteaata aagttttgea gettteaeea aaaaaaaaa 780
```

<400> 810

781 a <210> 809 <211> 160 <212> PRT <213> Homo sapiens <400> 809 Met Arg Cys His Ala His Gly Pro Ser Cys Leu Val Thr Ala Ile Thr 5 10 15 Arg Glu Glu Gly Gly Pro Arg Ser Gly Gly Ala Gln Ala Lys Leu Gly Cys Cys Trp Gly Tyr Pro Ser Pro Arg Ser Thr Trp Asn Pro Asp Arg 40 Arg Phe Trp Thr Pro Gln Thr Gly Pro Gly Glu Gly Arg His Glu Arg 50 His Thr Gln Thr Gln Asn His Thr Ala Ser Pro Arg Ser Pro Val Met Glu Ser Pro Lys Lys Lys Asn Gln Gln Leu Lys Val Gly Ile Leu His 85 90 95 Leu Gly Ser Arg Gln Lys Lys Ile Arg Ile Gln Leu Arg Ser Gln Cys 105 Ala Thr Trp Lys Val Ile Cys Lys Ser Cys Ile Ser Gln Thr Pro Gly Ile Asn Leu Asp Leu Gly Ser Gly Val Lys Val Lys Ile Ile Pro Lys 130 135 Glu Glu His Cys Lys Met Pro Glu Ala Gly Glu Glu Gln Pro Gln Val 145 150 155 <210> 810 <211> 624 <212> DNA <213> Homo sapiens <220> <221> misc_feature <222> (1)...(624) <223> n=A,T,C or G

atganaagga gatgacacaa aagttagatc tcatcacaag tgatttggca gattaccagc 60 agcccctcat gatnggcacc gggacagtca cgaggaaggg ctccaccttc cggcccatgg 120 acacggatgc cgaggaggca ggggtgagca ccgatgccgg cggccactat gactgcccgc 180

```
agegggeegg cegecaegag taegegetge eeetggegee eeeggageee gagtaegeea 240
cgcccatcgt ggagcggcac gtgctgcgcg cccacacgtt ctctgcgcag agcggctacc 300
gegteecagg geeceagece ggeeacaaac actecetete etegggegge tteteeceeg 360
tagegggtgt gggegeceag gaeggagaet ateaaaggee acaeagegea eageetgegg 420
acaggggcta cgaccggccc aaagctgtca gcgccctcgc caccgaaagc ggacaccctg 480
actotoagaa gooccoaacg catocoggga caagtgacag ctattotgoo cocagagact 540
gcctcacacc cctcaaccag acggccatga ctgccctttt gtgaacacaa tgtgaaagaa 600
gcctgctgtg gtactgagcg tcgg
                                                                   624
<210> 811
<211> 572
<212> DNA
<213> Homo sapiens
<400> 811
agegggetgt gaggaegete tggggeeagge tgeagegega gegtteegag etgetggget 60
etttegagga tgttetgata egegegtegg eetgeetgga ggaggeggee egggagegeg 120
acggcctgga gcaggcgctg cggaggcgcg agagcgagca cgagagggag gtgcgcgctc 180
tgtacgagga gacggagcag cttcgggagc agagccggcg cccgccgagt cagaacttcg 240
cccgcgggga gcggagaagc cgtctggagc tggagctgca gatccgcgag caggacctgg 300
aacgegeggg cetgeggeag egggagttag agcageaget geaegeecag getgeggage 360
acctggagge acaggeecag aacteecage tgtggeggge geacgaggeg etgegaacge 420
agetggaggg ggegeaggag eagateegea ggetggagag egaageaega ggeegeeagg 480
agcaaaccca acgagacgtg gtcgccgtct ccaggaacat gcagaaagag aaagtcagcc 540
tgctacggca actggagctg ctcagggagc tg
                                                                   572
<210> 812
<211> 594
<212> DNA
<213> Homo sapiens
<220>
<221> misc feature
<222> (1)...(594)
<223> n=A, T, C or G
<400> 812
cggaagttgg cgcagcgcgg ttgccaatgg tcgctccctg atttnatgcc gctcgtggtg 60
ttttgcgggc tgccgtacag cggcaagagc cggcgtgctg aagagttgcg cgtggcgctg 120
gctgccgagg gccgcgcggt gtacgtggtg gacgacgcag ctgtcctggg cgcagaggac 180
ccageggtgt acggcgattc tgcccgtgag aaggcattgc gtggagctct gcgagcctcc 240
gtggaacggc gcctgagtcg ccacgacgtg gtcatcctgg actcgcttaa ctacatcaaa 300
ggtttccgtt acgageteta etgeetggea egggeggege geaceceget etgeetggte 360
tactgcgtac ggcccggcgg cccgatcgcg ggacctcagg tggcgggcgc gaacgagaac 420
cctggccgga acgtcagtgt gagttggcgg ccacgcgctg aggaggacgg gagagcccag 480
geggegggea geagegteet eagggaactg catactgegg actetgtagt aaatggaagt 540
gcccaggccg acgtacccaa ggaactggag cgagaagaat ccggggctgc ggag
```

<210> 813 <211> 561

```
<212> DNA
<213> Homo sapiens
<220>
<221> misc feature
<222> (1)...(561)
<223> n=A,T,C or G
<400> 813
tetgacacae gagaceggtt ateceatete egegeeeete tgtgggtatt acacageeae 60
tagatgaagc caaacattgt tggaggtact gaaatcttag actccaccat gtgtccagga 120
ncccattgac gtcctctctt ctgaaaactc cgtgtggccc tcgctctgca ctgtcatgag 180
geggtgatgg agetagatae ceaceaegga caatgateat eagtttgggg ttetetgggt 240
ctcacaggga egcacattet aggggtagea egacaeteec cetgtagttg etccacacaa 300
acgggatete teatecagge gatacgtetg gteetgtgge atgtggetet enacgaaaca 360
ccagggange attatgttgg ggacttettg gggetetget ggtetetget ccagacacga 420
ttaatccgaa atgtgttaan tcgancacat gggtccacgt ccaggacagc tcccatcgaa 480
ctctcnaggc tctctanctc agggatgaag gaggtnaagt gatcgatnct cacaagcgan 540
                                                                   561
agetetegen enatatetge g
<210> 814
<211> 307
<212> DNA
<213> Homo sapiens
<220>
<221> misc feature
<222> (1)...(307)
<223> n=A,T,C or G
<400> 814
cntcgnggng ttggttgtgt gggntnttct cgggtgattg ggtgnnatta ctggacccaa 60
ccnncgtgga aanggctggg nncgcggccg ntctngcaga agtatcccga ttttttttt 120
tttttttttt tttttggngg agggaaantt ncagacatag ctttattgct gactcctgcc 180
cccttcanag ccctagtcac aggcnncagg gntgttttgt aanttaaant ttcnggaaaa 240
tnggngtntt tntgcatnca anagaagggn tgccaaangn ggggtattgc ttctgggtgg 300
nttaccc
<210> 815
<211> 784
<212> DNA
<213> Homo sapiens
<220>
<221> misc_feature
<222> (1)...(784)
<223> n=A, T, C or G
<400> 815
ggcacgagat ataatcagac tettacteet gtaettetag aaatgatgea aacaetteaa 60
ggacccacaa atgtggaaga tatgaatgca ctgttaatca aagatgctgt gtataatgct 120
gttggattaa gctgcttatg agctctttga cagtgttgat tttgatcagt ggtttaaaaa 180
ccagcttctt ccagaattac aagtcattca caataggtat aagccattgc gacgcagggt 240
gatttggctc atcggtcagt ggatttctgt gaaattcaag tctgacttaa gacccatgct 300
```

```
ttatgaagca atctgtaact tgcttcaaga tcaagattta gtggccgtat tgaaacagct 360
acaactttga agttaactgt tgatgatttt gaatttagaa cagatcagtt tctaccgtat 420
ttggaaacca tgttcacact actttttcag ttactgcagc aagttacaga atgtgacaca 480
aagatgcatg ttttgcatgt cctttcttgt gtgatcgaaa gagtcaacat gcagatacga 540
ccatatgtgg gatgtttggt acaatatttg cccctccttt ggaagcagaa gtgaanaaca 600
caatatgttg agatgtgcta ttttgaccac acttattcat cttggtcagg gattangagc 660
agacagcaag acctgtccct ttcctgctcc agttattcac tgagtaccag atgtttcaca 720
qccttcncat gtttattttt ctggaaaatg ggttaaaaat atnggtanga acctttggga 780
                                                                 784
aaac
<210> 816
<211> 813
<212> DNA
<213> Homo sapiens
<220>
<221> misc feature
<222> (1)...(813)
<223> n=A,T,C or G
<400> 816
ggcacgagca ggctgggaag aagtccttgc ttctcaaggc cacgtaccgg ccgcgtcctt 60
ccaccettge cetttaaace acagatgeea aatgataege caacagacae tacatteece 120
agcagetget gecagageee tettgtaget tetttatttt etgtttettt ecagetttee 180
taccetecta tecceeettg tgtttgggee acaattttga aataattttt attataggta 240
tgtgctgcca aagccagatt tttataaggt aaaataaatt aagaatttaa acagtaaaag 300
ccagtgtctc aaaatgtcag cattaaaatg tgaaggggac agcagggtgt gaaccggaaa 360
gcccttaagg tcaatgccag tgtccagacg agcagtgtag aaaagctccc tgtgtggttt 480
gtcgtgaggt ctgcttgtat ctcttcactg gcgttagttt cattagctct ttattctcct 540
tacgttcgag tgaatctgcc aagaacactg gtggatagta ttatcctaac acttttggtt 600
tgggggcggg gagggggcag ggaatagtga gctggcttta ccaccttcag gatctcgaat 660
tqqqcqcttq aacctaaqaa aqattqtqqa cttatcaaaa qtcaccqctc aqtqttcqtc 720
aagcatgtat ttatgtgacn atcatactag ggaggggatg gttgggaatt cttccatgtg 780
caaatttngn cccgcaanaa gcaaaactgg ngt
                                                                 813
<210> 817
<211> 229
<212> DNA
<213> Homo sapiens
<220>
<221> misc feature
<222> (1)...(229)
<223> n=A,T,C or G
<400> 817
gaaactttta cattaatgat ttattaaaan aaacaactcc ttgtcccact ccactgngct 60
gcttgtaatc tccatacatg gcctccattt tcaactgttt tnttggtcac anagctccaa 120
acanacacat ttttttttcc aggtaaaagc tgtttttagt ttgtagtaca aatgtgactg 180
catccaatac tgacacattg ttcctttggc ccacagtccc antcaccac
                                                                229
<210> 818
<211> 781
```

```
<212> DNA
<213> Homo sapiens
<220>
<221> misc_feature
<222> (1) . . . (781)
<223> n=A, T, C or G
<400> 818
ggcacgaggt gtgtgtgtgt gtgtgtgtgt aacacatggg cattggtcct tccaggacaa 60
cttggttagg gctccagggt ggcctctcag gcaggaacag gcttttttcc tcctgtcttt 120
tecteacate aegteetgee ceaggteact geataaataa gtgetttgga aagtatteat 180
ctagaaagta acataaatac tgtacataga aaagggttgc cgccccttag ccttcgcact 240
gececagaga getetecaca tattgeacac ggeetececa gecetgtggg gtecaggeet 300
ggctgtgtct ttggtagaag cttcagggac agttcctggg cagcccccac atctncaccc 360
tgctcccaaa ggggagctct agggtagtca gtgggtacca gaagccttgc tcggcctcgc 420
tggtggcctt ctaccangga tgctttcaca aggatgagac agaatcccaa tggtatgccc 480
ctgcttggac actctgctca aggtctgcat gtggcctggg aggagacagg caggctgang 540
gcaggtggac aggtgantcc tggccacana aggcaggctc acacccttca cangaatagg 600
tggtttgngc tgtcatctcg gcccacggtc tcctnntgcg ccacccccc ttnntgaatc 660
gnaanteete aaaneeetta eeaceaettg atgacenane atttttangg eetggettga 720
aggnggggc cttnggcccc ccnaaggggg aaatnccccc ggnngaatnc ccaanggga 780
                                                                781
а
<210> 819
<211> 199
<212> DNA
<213> Homo sapiens
<220>
<221> misc feature
<222> (1)...(199)
<223> n=A, T, C or G
<400> 819
cnnngtggaa anggctgggn nngcggccgt tttcgnngta gtatcgcgnt ttttttttt 60
tttttgtggg aggttntgcn gtntttgntt gctctctcaa attccaggaa ttgacttatt 120
taattaatgc ctgcaacctg tgctagcaaa tatttgnaca aaacnanttg tgttggngat 180
gttcttttgg gtcgggcag
                                                                199
<210> 820
<211> 211
<212> DNA
<213> Homo sapiens
<220>
<221> misc_feature
<222> (1)...(211)
<223> n=A,T,C or G
<400> 820
agagagagag agagagaga agagagagag agagagagag agagagagag agagagagag 120
agacagtnet ntgtgtgtet etetgteten aagtaenene tgaggnatet gntntetgtn 180
```

<211> 264

```
211
tntgngtaca cngtatctct cntggncata t
<210> 821
<211> 952
<212> DNA
<213> Homo sapiens
<220>
<221> misc feature
<222> (1) ... (952)
<223> n=A,T,C or G
<400> 821
nnntcagget cetggatgag ceetgegana gagggtggca geacggagag agetgetgga 60
ggcagcagag caccaaggaa acatccagac atgcgcggcc cggcccatcc gctcccggaa 120
cagcaccaag acgaaatggg aaactacatg tccccaggtt cgaggctgca ggggcagact 180
ctggtgtgaa caggggggat gtgaccacct aaggaaaagg tcacacctgt cttggtatca 240
ggggctcaag agctctcaaa aatgtaaggg gccgacagtc ccctgcccca ggcctgatca 300
caactccagg gtcatgaggt cagagtaaag tgcagaggtt tttaaacata accaaaattt 360
caggagagge caattettac ttgaaagage aacaccetgg ggegetgett gecattaett 420
cctcatcttt agcaacacat ttgcttttca aggtgttcct tgtggaaaca cacatacaca 480
tagacacatg cccctcagat gtcccctgcc ccctgattag tagaatgtgg ggtttccaca 540
atgagcagaa actgatccaa ttttggttaa gtttgagaag ccctctgaat ttgggtggtt 600
ggcccaatgt aaatacttcc gcagagatgg agggcattca aaacaggttc tgaaaggatc 660
caqcetatet tggactttgt tetggaance anggatteag enttggeeae etgtgeeagg 720
cttgcaaggc ctggtgtgaa cncccaaant ggcagcaaaa acaacanaca gccnctgcac 780
tttggntgga ccaacgtttg gcctnaacaa atctngcggg ttgggatntt cttgntttcn 840
cncccagggg accnaaaacc cccntacntg naataaccnt tttttttnn aaccntttan 900
ccantgggnt tnccnaaaaa acttgncccc ttttttttnc caanggnaaa at
<210> 822
<211> 587
<212> DNA
<213> Homo sapiens
<220>
<221> misc feature
<222> (1)...(587)
<223> n=A,T,C or G
<400> 822
ggcacgagaa ctagtctcga gtttttttt tttttttta acatttctga attttattat 60
ttttagggaa gacacgcagt ttcacaagaa acaatgattt ttctcaaaca atagaaaaaa 120
aggtettttt gaaaaateca etgtettaga tgaaaagtet acceageaag caetggggea 180
gttctgagag tagaaaccag tgtggtggaa gttacttata ggaagttcag tgcagaggtc 240
tecacaagte etgattagtt etgnaagget eeattgggee ageteagggt aacagtggga 300
atgageteae agacaaagge aggeaecagt teetntgeee gggatgeagg etggeteaet 360
ecceangegg ntgeatettg etteagacte ateaaactge tgetgteean etnegneatg 420
actntgttga gaacatanaa ctctgctctc tggctttgct tcanctcctg gtgggcnnaa 480
ttctgcttag ccttctncac tntgaaggnt gggtctttaa cttttggatt ttttttccn 540
                                                                  587
ggcaggggga accatgaatg gggtacatac ccacnenggg ntttggc
<210> 823
```

```
<212> DNA
<213> Homo sapiens
<220>
<221> misc feature
<222> (1)...(264)
<223> n=A, T, C or G
<400> 823
ntenatneet actangneaa actgaeteeg ceetnagnea eetngtggte canggetgeg 60
gagetgegat acageettee gegggtetgn tggaaceeeg acetntentg gtgtntntee 120
ntecenence ceaaceegee aagggeetge ettteetnet gggeetttge cagegningg 180
ccanaccggg gccaaaccgg nccccgggca cattttaacc nagggenene ttntagaana 240
aaaccccggn tgatgttata aagg
<210> 824
<211> 520
<212> DNA
<213> Homo sapiens
<220>
<221> misc_feature
<222> (1)...(520)
<223> n=A,T,C or G
<400> 824
tcaagengee eccantntga tggatatetg caaaattene cettteaeeg geegeeegen 60
qcatqtctta ttatacaaca natccaactt ccctaagngg ntcacacatn ntaaggtatt 120
gttaacaaaa taggaaantc tattngaact aacaatcatc tctttgaatc tgcntatccc 180
attaaaagca ttttcctcaa tattcctcat atcggttatg gncaatggat acccatctga 240
gctggttgan ccctttaaat tnattatact taactttttg aaggctgtta tacccaaggg 300
acaaacctaa ncaaccanca gatatacttg anggtntctc ctgtnatttc tcagattcca 360
atataccatt ttgccttnac acctacagcc cttaggggca tcctcnttcc ncanaacaaa 420
ncattntcac taagacagne tggggtnntn caccaatgge taccaaacet etgneegena 480
cccaccgcnt aaanggcnga aattnccnan ccacacgggt
<210> 825
<211> 2064
<212> DNA
<213> Homo sapiens
<400> 825
cggtgcgctg agcgccggag gagcgtaggc agggcagcgc tggcgccagt ggcgacagga 60
gccgcgcgac cggcaaaaat acacgggagg ccgtcgccga aaagagtccg cggtcctctc 120
tegtaaacac acteteetee aceggegeet eeceeteege tetgegegee geeeggetgg 180
gegeeegagg eegeteegae tgetatgtga eegegagget gegggaggaa ggggaeaggg 240
aagaagagge tetecegegg gageeettga ggaccaagtt tgeggeeact tetgeaggeg 300
tectegegeg eccageegee teggtteeeg gegaceatgg tgaegatgga ggagetgegg 420
gagatggact gcagtgtgct caaaaggctg atgaaccggg acgagaatgg cggcggcgcg 480
ggeggeageg geagecaegg caecetgggg etgeegageg geggeaagtg cetgetgetg 540
gactgcagac cgttcctggc gcacagcgcg ggctacatcc taggttcggt caacgtgcgc 600
tgtaacacca tcgtgcggcg gcgggctaag ggctccgtga gcctggagca gatcctgccc 660
geogaggagg aggtacgege cegettgege teeggeetet acteggeggt categtetae 720
```

gacgagcgca	gcccgcgcgc	cgagagcctc	cgcgaggaca	gcaccgtgtc	gctggtggtg	780
caggcgctgc	gccgcaacgc	cgagcgcacc	gacatctgcc	tgctcaaagg	cggctatgag	840
aggttttcct	ccgagtaccc	agaattctgt	tctaaaacca	aggccctggc	agccatccca	900
ccccggttc	ccccagtgc	cacagagccc	ttggacctgg	gctgcagctc	ctgtgggacc	960
ccactacacg	accagggggg	tcctgtggag	atccttccct	tcctctacct	cggcagtgcc	1020
taccatgctg	cccggagaga	catgctggac	gccctgggca	tcacggctct	gttgaatgtc	1080
tcctcggact	gcccaaacca	ctttgaagga	cactatcagt	acaagtgcat	cccagtggaa	1140
gataaccaca	aggccgacat	cagctcctgg	ttcatggaag	ccatagagta	catcgatgcc	1200
gtgaaggact	gccgtgggcg	cgtgctggtg	cactgccagg	cgggcatctc	gcggtcggcc	1260
accatctgcc	tggcctacct	gatgatgaag	aaacgggtga	ggctggagga	ggccttcgag	1320
ttcgttaagc	agcgccgcag	catcatctcg	cccaacttca	gcttcatggg	gcagctgctg	1380
cagttcgagt	cccaggtgct	ggccacgtcc	tgtgctgcgg	aggctgctag	cccctcggga	1440
cccctgcggg	agcggggcaa	gacccccgcc	acccccacct	cgcagttcgt	cttcagcttt	1500
ccggtctccg	tgggcgtgca	ctcggccccc	agcagcctgc	cctacctgca	cagccccatc	1560
accacctctc	ccagctgtta	gagccgccct	gggggcccca	gaaccagagc	tggctcccag	1620
caagggtagg	acgggccgca	tgcgggcaga	aagttgggac	tgagcagctg	ggagcaggcg	1680
accgagctcc	ttccccatca	tttctccttg	gccaacgacg	aggccagcca	gaatggcaat	1740
aaggactccg	aatacataat	aaaagcaaac	agaacactcc	aacttagagc	aataacggct	1800
gccgcagcag	ccagggaaga	ccttggtttg	gtttatgtgt	cagtttcact	tttccgatag	1860
aaatttctta	cctcattttt	ttaagcagta	aggcttgaag	tgatgaaacc	cacagatcct	1920
agcaaatgtg	cccaaccagc	tttactaaag	ggggaggaag	ggagggcaaa	gggatgagaa	1980
gacaagtttc	ccagaagtgc	ctggttctgt	gtacttgtcc	ctttgttgtc	gttgttgtag	2040
ttaaaggaat	ttcattttt	aaaa				2064

<210> 826 <211> 2109 <212> DNA

<213> Homo sapiens

```
<400> 826
tggcgccagc ggcgacagga gccgcgcgac cggcaaaaat acacgggagg ccgtcgccga 60
aaagagteeg eggteetete tegtaaacae acteteetee aceggegeet eeeeeteege 120
tetgegegee geeeggetgg gegeeegagg eegeteegae tgetatgtga eegegagget 180
gegggaggaa ggggaeaggg aagaagagge tetecegegg gageeettga ggaecaagtt 240
tgcggccact tctgcaggcg tcccttctta gctctcgcct gcccctttct gcagcctagg 300
eggeceaggt tetettetet teetegegeg eecageegee teggtteeeg gegaecatgg 360
tgacgatgga ggagctgcgg gagatggact gcagtgtgct caaaaggctg atgaaccggg 420
acgagaatgg cggcggcgcg ggcggcagcg gcagccacgg caccctgggg ctgccgagcg 480
geggeaagtg cetgetgetg gactgeagae egtteetgge geacagegeg ggetacatee 540
taggtteggt caaegtgege tgtaacacca tegtgeggeg gegggetaag ggeteegtga 600
geetggagea gateetgeee geegaggagg aggtaegege eegettgege teeggeetet 660
acteggeggt categtetae gaegagegea geeegegege egagageete egegaggaea 720
geaccgtgte getggtggtg eaggegetge geegeaacge egagegeace gaeatetgee 780
tgctcaaagg cggctatgag aggttttcct ccgagtaccc agaattctgt tctaaaacca 840
aggeeetgge agecateeea eeeeeggtte eeeeeagege cacagageee ttggacetgg 900
gctgcagctc ctgtgggacc ccactacacg accagggggg tcctgtggag atccttccct 960
tectetacet eggeagtgee taccatgetg eeeggagaga catgetggae geeetgggea 1020
teaeggetet gttgaatgte teeteggaet geecaaacea etttgaagga eactateagt 1080
acaagtgcat cccagtggaa gataaccaca aggccgacat cagctcctgg ttcatggaag 1140
ccatagagta catcgatgcc gtgaaggact gccgtgggcg cgtgctggtg cactgccagg 1200
egggeatete geggteggee accatetgee tggeetacet gatgatgaag aaacgggtga 1260
qqctqqaqqa qqccttcqaq ttcqttaagc agcgccgcag catcatctcg cccaacttca 1320
getteatggg geagetgetg eagttegagt eccaggtget ggeeaegtee tgtgetgegg 1380
aggetgetag ccccteggga cccctgeggg ageggggeaa gaccceegec acccccacct 1440
```

cgcagttcgt cttcagcttt ccggtctccg tgggcgtgca ctcggccccc agcagcctgc 1500 cetacetgea cagececate accacetete ecagetgtta gagecgecet gggggececa 1560 gaaccagagc tggctcccag caagggtagg acgggccgca tgcgggcaga aagttgggac 1620 tgagcagctg ggagcaggcg accgagctcc ttccccatca tttctccttg gccaacgacg 1680 aggccagcca gaatggcaat aaggactccg aatacataat aaaagcaaac agaacactcc 1740 aacttagagc aataacggct gccgcagcag ccagggaaga ccttgqtttq qtttatqtqt 1800 cagtttcact tttccgatag aaatttctta cctcattttt ttaagcagta aggcttgaag 1860 tgatgaaacc cacagatcct agcaaatgtg cccaaccagc tttactaaag ggggaggaag 1920 qgagggcaaa gggatgagaa qacaagtttc ccaqaagtqc ctqqttctqt qtacttqtcc 1980 ctttgttgtc gttgttgtag ttaaaggaat ttcatttttt aaaagaaatc ttcgaaggtg 2040 tggttttcat ttctcagtca ccaacagatg aataattatg cttaataata aagtatttat 2100 taagacttt

<210> 827

<211> 394

<212> PRT

<213> Homo sapiens

<400> 827

Met Val Thr Met Glu Glu Leu Arg Glu Met Asp Cys Ser Val Leu Lys

Arg Leu Met Asn Arg Asp Glu Asn Gly Gly Gly Ala Gly Gly Ser Gly

Ser His Gly Thr Leu Gly Leu Pro Ser Gly Gly Lys Cys Leu Leu Leu 40

Asp Cys Arg Pro Phe Leu Ala His Ser Ala Gly Tyr Ile Leu Gly Ser

Val Asn Val Arg Cys Asn Thr Ile Val Arg Arg Arg Ala Lys Gly Ser 70

Val Ser Leu Glu Gln Ile Leu Pro Ala Glu Glu Glu Val Arg Ala Arg 85

Leu Arg Ser Gly Leu Tyr Ser Ala Val Ile Val Tyr Asp Glu Arg Ser 100 105 110

Pro Arg Ala Glu Ser Leu Arg Glu Asp Ser Thr Val Ser Leu Val Val 120 125

Gln Ala Leu Arg Arg Asn Ala Glu Arg Thr Asp Ile Cys Leu Leu Lys 130 135

Gly Gly Tyr Glu Arg Phe Ser Ser Glu Tyr Pro Glu Phe Cys Ser Lys 150 155

Thr Lys Ala Leu Ala Ala Ile Pro Pro Pro Val Pro Pro Ser Ala Thr 165 170

Glu Pro Leu Asp Leu Gly Cys Ser Ser Cys Gly Thr Pro Leu His Asp 180 185 190

Gln	Gly	Gly 195	Pro	Val	Glu	Ile	Leu 200	Pro	Phe	Leu	Tyr	Leu 205	Gly	Ser	Ala
Tyr	His 210	Ala	Ala	Arg	Arg	Asp 215	Met	Leu	Asp	Ala	Leu 220	Gly	Ile	Thr	Ala
Leu 225	Leu	Asn	Val	Ser	Ser 230	Asp	Cys	Pro	Asn	His 235	Phe	Glu	Gly	His	Tyr 240
Gln	Tyr	Lys	Cys	Ile 245	Pro	Val	Glu	Asp	Asn 250	His	Lys	Ala	Asp	Ile 255	Ser
Ser	Trp	Phe	Met 260	Glu	Ala	Ile	Glu	Туг 265	Ile	Asp	Ala	Val	Lys 270	Asp	Cys
Arg	Gly	Arg 275	Val	Leu	Val	His	Cys 280	Gln	Ala	Gly	Ile	Ser 285	Arg	Ser	Ala
Thr	Ile 290	Cys	Leu	Ala	Tyr	Leu 295	Met	Met	Lys	Lys	Arg 300	Val	Arg	Leu	Glu
Glu 305	Ala	Phe	Glu	Phe	Val 310	Lys	Gln	Arg	Arg	Ser 315	Ile	Ile	Ser	Pro	Asn 320
Phe	Ser	Phe	Met	Gly 325	Gln	Leu	Leu	Gln	Phe 330	Glu	Ser	Gln	Val	Leu 335	Ala
Thr	Ser	Cys	Ala 340	Ala	Glu	Ala	Ala	Ser 345	Pro	Ser	Gly	Pro	Leu 350	Arg	Glu
Arg	Gly	Lys 355	Thr	Pro	Ala	Thr	Pro 360	Thr	Ser	Gln	Phe	Val 365	Phe	Ser	Phe
Pro	Val 370	Ser	Val	Gly	Val	His 375	Ser	Ala	Pro	Ser	Ser 380	Leu	Pro	Tyr	Leu
His 385	Ser	Pro	Ile	Thr	Thr 390	Ser	Pro	Ser	Cys						

<210> 828

<211> 453

<212> DNA

<213> Homo sapien

<400> 828

ggatcattta	attgcatact	ctatgaccac	gcacatgtaa	agccccttct	gcaaaagaga	
cctaaaccag	atgagaagta	ttattcatcc	agcatatggg	gaccaacatg	tgatggcctc	
gatcggattg	ttgagcgctg	tgacctgcct	gaaatgcatg	tgggtgattg	gatgctcttt	
gaaaacatgg	gcgcttacac	tgttgctgct	gcctctacgt	tcaatggctt	ccagaggccg	
acqatctact	atqtqatqtc	agggcctgcg	tqqcaactca	tgcagcaatt	ccagaacccc	

gacttcccac ccgaagtaga gagagtggga tgaaacgcca gcactctggt agctgttaac	a cagagcagcc	tgtgcttcgg			360 420 453
<210> 829 <211> 452 <212> DNA <213> Homo sapien					
<400> 829					
ctgggccacg aggacaccac					60
aagcaactcc aagtaaaggc	-		_		120 180
gagaaaggga agagetgaca ttcaggtcaa ggaaaaccgt					240
acagteetge cetteaceet					300
ggagagcatt gaaaactctg				_	360
aaacaatgaa accagagctt			gtggtagatt	caaagctcca	420 452
cccacctcat cccaggtaca	cergarge	ag			452
<210> 830					
<211> 450					
<212> DNA <213> Homo sapien					
vara nomo suprem					
<400> 830					
ctgacccccc tttgtccaca				_	60 120
acaagacaac ctgaagctaa tgcacgccct gagctacagc					180
caaggagcat caagggtttg					240
cagttgaaaa ctcaggattt	ctagccaata	accatagtta	ccaccacctt	acaaataaaa	300
agaaaatgcc agaaacatct					360
aggagaacac gagagtgcct acagtttcag ggtgctccag		aaaatgtttg	gaaatatgta	caactttgat	420 450
acageceay ggegeeeag	acacccacgg				130
<210> 831					
<211> 395 <212> DNA					
<213> Homo sapien					
<400> 831 ctctaaaccc ctccacattc	ccacaatact	tagagataga	caasasacaa	agtatagata	60
ccgcctgcct gcctgccact					120
ctttgcctgg ccgggagggc					180
gaggtggtgg aagaaactgt					240
caggtggaag taggagaatt					300
gaaaatccct gccagaacca aacaccccca tgtgcgtgtg			tgtgcgaget	ggatgagaac	360 395
		J			223
<210> 832					
<211> 291 <212> DNA					
<213> Homo sapien					
_					
<400> 832					

ctgactcttc catctgtgca g ggtaatattt ctgtcttctc t agttttttgt gagttatgtc c gccagaagac aatgtcccta t aaggggtgct gatggacgtg g	aactcccca ttgttgctt tcacacact	tactcccttg ttgcctcttt ctttctgctt	tcttccactc ttctttctag ttctgtgggc	tccacttagg ccttgattgt aggaacatgg	60 120 180 240 291
<210> 833 <211> 491 <212> DNA <213> Homo sapien					
<400> 833 ctgtagcttc tgtgggactt c tacttgttgt tgctttgttt g ctatctgcct tccaggccac t agtgtggcct tgttggcttg a gcagccttgg gctgacctag g ccgtcccacg tctgacagta a agagtggctg tgttcccaga g ttattatctt gataaatgac t gcagatacct g	gagggtgtg gtcacggct agctcctca gacggtcagc atagtcagcc gttggagcca	gtggtctcca tccgggtaga gaggagggcg ttggtccctc tcatccatag gagaagcgct	ctcccgcctt agtcacttat ggaacagagt cgccgaagac cctgggtccc cagggatccc	gacggggctg gagacacacc gaccgagggg cacattattg gctgatggtc tgaagaccgc	60 120 180 240 300 360 420 480 491
<210> 834 <211> 308 <212> DNA <213> Homo sapien					
<400> 834 ctggtcgagg tccacgccgc g tacttctgcc gtgctggaga a agagtgccag gtcaccacat a ccaggatgcc atccgggtct t gttccagagg accacgtaca a gctgctgg	acatcgaact actattatgt ccgccaacat	gaacaagaag tgggttcgca cctcctctac	agtatgtatt tatttgatga atccagagga	cccgtgtgcc tgcgtcgtta ccaagagcat	60 120 180 240 300 308
<210> 835 <211> 472 <212> DNA <213> Homo sapien					
<220> <221> misc_feature <222> (1)(472) <223> n = A,T,C or G					
<400> 835 ctgacatgtt aactgtgatg c tagaaatctc cgccccgcgg g tctgccatag ccgccttgtg a ggaccccggg gagttgtagt t gccgcccca gaacctccgc c tgagccgtag ctgttcccgc c gtagntgtag tcggatccgc c gctgccttgt ccatggttat a	ggcttatct aggactggta cegactgtga egtagecece egetteggee eccegecece	gtactggtag ggagctggga gtagcctcct gtgtgaccct tccactacca gggagagttg	ttcatgctgt gggccactgt tgtttgcctt gggttgtagg ctgtagttga tngganttcg	ggtetgegtt agttetggee ggtatgagga atgeeeegee atttgetete agtaggagta	60 120 180 240 300 360 420 472

<210> 836 <211> 354 <212> DNA <213> Homo	sapien					
agtgtcgagc aaacagaagg cttgagtgcc gagcaaaatg	aagtgtaaga ctgaggggtc aggctctagg ggtctctctc	acacatggtg tgtctgtggg ttccaggcat ctttgtgcag aactgcagtc ctctagggtt	aaggagaagc gtccagtcac aaagcacccg agtgctcctg	tcctgaaatg taggagctgc gggcgggggg ggaacacggt	aacgttctgc caccggtggg cggtaaggga ctcacagaca	60 120 180 240 300 354
<210> 837 <211> 318 <212> DNA <213> Homo	sapien					
<220> <221> misc <222> (1). <223> n = 1	(318)					·
tttgatgcgg aacggggcgg caaccgggtc	aatctgccga atggcgccca cccagccatg ctcagacggc	aaccatggag gtgatggcgg gcccagcct cgcagaaccg acattgatgc	ctccccaggg aactgccagc tgggtagcat	atgcgccgag cacattgaag gtgcttggtg	ggagatggga cggacattgg gtgatgtcct	60 120 180 240 300 318
<210> 838 <211> 277 <212> DNA <213> Homo	sapien					
cggaaatcca aaattctaca atgcgccgcc	ttgcccgtgt agggcaagaa ggctcaacaa	aggeggtgeg teteacagtt gtacaageee geaegaggag gaagtaegeg	attaaccaga ctggacctgc aacctgaaga	ctcagaaaga ggcctaagaa	aaacctcagg ggcacgtgcc	60 120 180 240 277
<210> 839 <211> 276 <212> DNA <213> Homo	sapien					
ccaagctgct tgatctgtgg	gtccaacatg ctgggataag	tatctgcgaa atgtgccagt aagggtcctg tccacgggta	accggggcat gactctacta	gggcctctct cgtggatgaa	atgggcagta catgggactc	60 120 180 240

acagtggcta teggeetaat ettageeetg aagagg	276
<210> 840 <211> 453 <212> DNA <213> Homo sapien	
<220> <221> misc_feature <222> (1)(453) <223> n = A,T,C or G	
<pre><400> 840 ccttctttgc catgaccaag ctctttcagt ccaatgatcc cacactccgt cggat acttgaccat caaggagatg tcttgcattg cagaggatgt catcattgtc accag taacaaaaga catgactggg aaagaagaca actaccgggg cccggccgtg cgagc gccagatcac tgatagcacc atgctgcagg ctattgagcg ctacatgaaa caagc tggacaaggt gcccagtgtc tccagctctg ccctcgtgtc ttccttgcac ctgctg gcagctttga cgtggtcaag cgctgggtga atgaggctca ggaggcagca tccag acatcatggt ccagtaccac gcactanggc tcctgtacca tgtgcgtaag aatgac tagccgtcaa taagatgatc agcaaggtcg cac</pre>	cagcc 120 cctct 180 cattg 240 gaagt 300 tgata 360
<210> 841 <211> 142 <212> DNA <213> Homo sapien	
<400> 841 agcctctcta gtggcagage agctcacact ccctccgctg ggaacgatgg cttctg gtacctatcc ttgtgtttct gatgcagtgg tagcattggt tcaagttctc tcctg gtcagagttg cttcgatgtt gg	
<210> 842 <211> 83 <212> DNA <213> Homo sapien	
<400> 842 cctaaaagca gccaccaatt aagaaagcgt tcaagctcaa cacccactac ctaaaaccaaacatat aactgaactc ccc	aaatc 60 83
<210> 843 <211> 482 <212> DNA <213> Homo sapien	
<pre><400> 843 ccatcggtgt ctggcagatg cggcacctca agagcttctt tgaagccaag aagctt agctgtccca ggcgtcacaa cccatcctcc caggctgggg gagaaaggac ctcctg tgacttcttc tgtcaggagg actggtttcc agccatacct gttctggaag ggagag tggaggcacc cacaggcaca agctgaaggc agcagcttgg ctaatactga gcaggt gggcaaattc ctgccctctc tctctggcct ctgggccgtt tggtagtaat caccca ctggtaaagc ccctcctct ggcacctcag aatcacagtg ttactgatca gggatg gctgctgttg ggggtggggg gaggggaatg ggcaggcaag ccagtcttct gtcttc</pre>	ggaac 120 ggggc 180 agtg 240 agggg 300 gtgag 360

gcta	aacttag	ggttttgagc	aggttggggg	tatggtgcct	gtcataccca	cctgccaccc	480
tg							482
)> 844						
	L> 534						
	2> DNA 3> Homo	sapien					
\ 4 13	7/ 1101110	Sapicii					
<220							
		_feature					
		(534) A,T,C or G					
1220		, . ,					
)> 844						
		caagtttaaa					60
		tccaggaagc agttggaggc					120 180
		aaagactgaa					240
		gctataagca					300
		agttgcataa					360
		aatgcatttt				taaaccaggc	420 480
		ggttnaagga					534
0.1.0							
)> 845 .> 175						
	> DNA						
<213	> Homo	sapien					
<400	> 845						
		gcaaatgtgg	ctaccctgcc	aagcgcaaga	gaaagtataa	ctggagtgcc	60
		gacgaaatac					120
cgca	gattca.	ggcatggatt	ccgtgaagga	acaacaccta	aacccaagag	ggcag	175
<210	> 846						
	> 179						
	> DNA	:					
<213	> HOIIIO	sapien					
<400	> 846						
		gttgcgaggg					60
		atgggagaac cgggcgttct					120 179
accg	ceggag	cgggcgcccc	gggcaggagg	aagcacagac	ggcaggcagg	geggaeegg	1/9
	> 847						
	> 410 > DNA						
		sapien					
	> 847						
		cagtcacaag					60
		tcccagggat atcttggatt					120 180
		gaactgtacg					240
					· -	-	

ctgctccttg gc agccctgatc ta gtatttccag to	ctttctgg	gaacctttct	gctatccata	ttgatcgcct		300 360 410
<210> 848 <211> 557 <212> DNA <213> Homo sa	pien					
<220> <221> misc_fe <222> (1)(<223> n = A,T	557)					
<pre><400> 848 cacgggcccc ca gagcccactt cc gcagcctcca ca ttacaggaca gg</pre>	atcctctc cctaccac	tggtgtgagg gacctcccag	cacagcgagg ggctgggctc	gcagcatctg aggaaaaacc	gaggagetet agecaetget	60 120 180 240
ttggatttta ca aactctaaaa ga ccccagcgta gt agctttcttc ct	gctacttg tagacatc caagggtg	caattcaaaa agaaattgtt gacactgcac	ttcagaagaa aagttaagct gctctggcat	taaaaaatgg ttttcaaaaa gatgggatgg	gaacatacag accagcaatt cgaccgggca	300 360 420 480
ggggtttctt tt tgattctatt tc	tgtctttc					540 557
<210> 849 <211> 525 <212> DNA <213> Homo sa	pien					
<400> 849						
ctgatggttt gg aaaccaacat tg ctggcctccc ca	cggatgcc gcctgcct	cttcgtgagc gctgacaaca	cttctcagtc cctaggctta	ccagcaggaa ctttatctaa	gcccacaaca aatcagagtg	60 120 180
taccaggtct gt caaaagagga ag						240 300
cagggagggg to caaggagcca gg						360 420
gtcacttgtt tt gcagagagac tg	gctgccct	aaatggcttc	ttgcacccta	acccctgatc		480 525
<210> 850 <211> 384 <212> DNA <213> Homo sa	pien					
<400> 850 cctcttggag ca						60 120
ccagagttac tt attcaataaa ta	tatcaaca	ccgatgcaaa	gttccaggta	ttcctgaagc	agatcaacag	180
ctccctggtg ga aaaccaggtg ga	tatgaaag	ttgccgaggt	actgtctgaa	tgccgcctgc	tcgcctacat	240 300
atcccaggtg cc	cacgcaga	tgtccttcct	cttccgcctc	atcaacatca	tccacgtgca	360

gacgctgacc caggagaacg tcag	384
<210> 851 <211> 423 <212> DNA <213> Homo sapien	
acccacccc atgcactcaa agattgga gaataaaaaa tgggaacata cagaactc gctttttcaa aagatcagca attcccca catgatggga tggcgaccgg gcaagctt attgctttgt taagatataa aaaggggt	agg acaggggtt gaagctgagc cccgcctcac att ttacagctac ttgcaattca aaattcagaa 120 ata aaagatagac atcagaaatt gttaagttaa 180 agc gtagtcaagg gtggacactg cacgctctgg 240 atc ttcctcgaga tgctctgctg cttgagagct 300 att ctttttgtcc ttctgtaagg tggacttcca 360 acct atttctgctg tgatttatct gctgaaagct 420 423
<210> 852 <211> 413 <212> DNA <213> Homo sapien	
tctagccgat gtctcctggg gctctcag atcccagttt tacttagagc cacctcct gattttcact agcggctccc tgttcttc tattccaaaa agagctcccc caagatgt	gca tettecagae gggageatag ecatggteae 60 gge ggeaaggaee agatgeaeea etaetgteea 120 ett tttggggeea ttagteetta ttteatgeea 180 eea aateaattea tgacegtaag taacatacea 240 ege egeatgatea aaaaatttee ateceaggat 300 ege ttteagggea tteeetgetg tgaaegtgaa 360 eec ttettgggate ttagtgeaga eag 413
<210> 853 <211> 288 <212> DNA <213> Homo sapien	
gtttccatcc ccaggatcca cttggtct cacttgtggc tattagagct ggaggcac	cca tgggacaggg aggatcctgt ctggccttca 60 gt gagatgctag aactcccttt caacagaatt 120 cc ttagccactt cattcccctg atgggccctg 180 ctg acactcccct tgcaaaccat cccagcactg 240 cc tttggcatga gatggggg 288
<210> 854 <211> 427 <212> DNA <213> Homo sapien	
tcggagggca tgggggtgta gggagttc agtaaagggg tgaggctcag tggcaggt gtgtttagca tatgttatta gaacgtgt	tg ccaagggcag agcagcccat gtagacagct 60 gg ggtagctcct cattaactat ttgttgggtg 120 ac ctctgcaatg acaagctgcc tcccctctat 180 cc gacaccccta ccgctgccat ttgggccctt 240 at aaaaggcaaa tgtaagcatg ctttctttaa 300

gacgcatcat aaatggtttt taagaaaaca ttaagaatgc tgggagg				_	360 420 427
<210> 855 <211> 311 <212> DNA <213> Homo sapien					
400 055					
<pre><400> 855 ccagtattcc tggaggatat cgagctgcca gcagaagctt cttttccttt tatagatgta gttcctgctg caaggaactt ccggacattg tgaaagtttc acccctctgc a</pre>	ctcccaggtc ctgttccatc aaggacatcc	ctcttgagat tggaagtcaa tcctccttca	ttatgatata gattggtgcc tttgcaggac	gatgccatca acctaagtgg atcaagggct	60 120 180 240 300 311
<210> 856 <211> 328 <212> DNA <213> Homo sapien					
100 056					
<pre><400> 856 cctatggaag tttggtgctt aaaagcttga ggagattaag agcttggaga tgagcatgaa ctcagctcca cctgaaggat cagttcgagt gatgaaaaga taagtctaat aatgttagat</pre>	tctttccggg cttctagaac aattgtctat ggtatccaat	agctgacctg atctcaccaa ctgatgctgg	cctggatctt tgaagccctg ggtgcggaag	tcctgttgca tctagtgtaa atgacagcac	60 120 180 240 300 328
<210> 857 <211> 502 <212> DNA <213> Homo sapien					
<220> <221> misc_feature <222> (1)(502) <223> n = A,T,C or G					
<400> 857					
ctgaccggac cggtcatgcc actgaggaag agaagaattt cggctcttcg gcatacgggc aaaaaataaa gccctcctgg ggtgtgtttc gtgggaacaa gccaggggat ttggggcttt tgtgttgaag cactgttggt gaggttacag aggctgactt tgggctggtg ctcacagacc	caaagcette aaaaagagce ggacttggaa ctgggcetgg cttgaaagae tgtttggtta cagagtggae	gctagtctcc aaggaagccg tcagtcggca gatggggctt agtccaagcc gtgactgatg	gtatggcccg cagaacagga gtcatgctgg cactgctgtg ctggataatg taaaacggtt	tgccaacgcc tgttgaaaag gtctccacgt acttcctcct ctttactttc ttcttgtggg	60 120 180 240 300 360 420 480 502
<210> 858 <211> 411 <212> DNA					

<213> Homo sapien	
<pre><400> 858 cggccgaggt ccttaatagt taagttacag ctaagaatgt catgtcttg tcatttttag caccgttaat gtattcactt aaatctatgt tagcacctt gaacaacaaa ccatccaaac attttaaaca ttgggggaaa cacgaaggg acagaatcca gtactgtgga aggagtggat ttagatcaca agatccttg ctgcttgatg ccgaagcagc cggcccactc atccagggcg atgtacttg gtcacaggtc tcgaaaaagc gggtggtgca atgctccatg gggatgagg tggagccagc tcggtgtggg agaggtaccc gtcaatgggg tgctggtc</pre>	rg tetecaggea 120 rg agggttaaag 180 rg cgatateett 240 rg cattgteeag 300 rg gageaegeag 360
<210> 859 <211> 232 <212> DNA <213> Homo sapien	
<pre><400> 859 aaatcacaga gggacttagt attccattaa tgcaaatgga aacattaag atgataaaag gaaaaaaaaa acctgatact catctcaaaa gacgcagag ataaatccag tacctattat tatttcaaat ttaaaaactt cttctttt gtatcactat gttgcccagg ctgatcttga actcttggcc tcagatgat</pre>	ga agacatctgc 120 tt aagagatagg 180
<210> 860 <211> 235 <212> DNA <213> Homo sapien	
<220> <221> misc_feature <222> (1)(235) <223> n = A,T,C or G	
<pre><400> 860 tgcccagaaa ggaaggggct attgcctcct cccagccacg ttccctttc cctgtggatt ctcccatcag ccatctggtt ctcctcttaa ggccagttg ttacagcttc ccaagttagg ttagtgatgt gaaatgctcc tgtccctgg tccctgtccc cacccctgca taaggcagtt gttggttttc ttccccaat</pre>	ga agatggtccc 120 gc cctacctcct 180
<210> 861 <211> 457 <212> DNA <213> Homo sapien	
<pre><400> 861 ccaaaggaaa gttggaaggc aactgacaga ttctgccttt taggtactt aaatgcatca aaagacttaa aggtaaagcg tattacccct cgtcacttg tcgtggagat gaagaattgg attctctcat caaggctaca attgctggt aacttctaac attttaaaaa atttcttcag aggaaggaat tttttgctg tttttccagg agaggaaatt taagtatatt ttcaatgatg gaagtatgg aatttgattt atatgtataa ctcaatgaat ttttacctca tacttgagc aaagatacct ttcaagttga acagtataca ctttcttggt ttcaaatac aaaaaatctt aagtagaatt aattcctgtc actcccc</pre>	rc aacttgctat 120 rg gtggtatgtt 180 rc ttttaattag 240 rt tgtatcatga 300 rt gcatgttttt 360

<211> 561 <212> DNA <213> Homo	sapien					
cttcctgggt tgacgtggac gtatccgggc gaagatcaag cctggcctca gggccctcc gctgcatggg gcctcacgaa	atggaatctt atccgcaaag attgccgaca atcatcgcac ctgtccacct atcgtccacc ttaattgaga	atgageggtt geggeateca acetgtaege ggatgeagaa ceceagageg tecageagat geaaatgett atagaaattt geeetegaaa t	cgagaccacc caacacggtg ggagatcacc caagtactcg gtggattagc ctaaacggac gccctggca	ttcaactcca ctgtcgggcg gccctggcgc gtgtggatcg aagcaggagt tcagcagatg aatgcacaca	tcatgaagtg gcaccaccat ccagcaccat gtggctccat acgacgagtc cgtagcattt cctcatgcta	60 120 180 240 300 360 420 480 540 561
<210> 863 <211> 291 <212> DNA <213> Homo	sapien					
ctcgaaccac gatagtctcc caaactgagg	aactcgttct aaaaggtgag accattggaa	gttttaaaaa gttaaagaaa gaaggtaact aactgtgcag atgccaccca	tcctaggaaa gagttgaagg aggcaaatct	gaagtcctac caactgggag tgtcaacaag	tgatattgtc gggtcttctg ataccagctc	60 120 180 240 291
<210> 864 <211> 265 <212> DNA <213> Homo	sapien					
atgatgtgac cacagaaaac atggctgcaa	ccagtcctgc tgtccctgga	teettgggaa agttetggga ggtttgetge etgtgggaga ageag	gatcaaccac tgccaggaac	catccgcgtc gtgctcagat	aggtgcagtc gggacctgtg	60 120 180 240 265
<210> 865 <211> 144 <212> DNA <213> Homo	sapien					
tccgcaggta		tagatgagca tgctcgcgcg tgct				60 120 144
<210> 866 <211> 241 <212> DNA <213> Homo	sapien					

<400> 866 ctggctgtaa gtagcttcat agcaccagtc tttgagaatg tcaaget ggcctccagg acattgggga tgatgtcgtt ctcgcactgt ttcagaa aaaggccggg tccacccgga ggatctccgt gagcacctcc gacatct caggcccccc agcaagtcgg tgaccttgtc cgtaagggcc cgggatg g	aacc ggtccttgtc 120 cctg tcttggagaa 180
<210> 867 <211> 364 <212> DNA <213> Homo sapien	
<pre><400> 867 cctgggcccg ctgacttcag ggtgaggcca cagctactgc agcgctt ttatttactg agatggagtc ttgctctgtc acccaggctg gagtgca ggctcactgc aacctctgcc tcctgggctg cagtgattct cctgcgt ctgcctcggc cttctgagta gttgggatta caggcatatg ccaccac ttcgtatttt tagtagaaat ggggtttcac catgttggcg aggctga acctcaagga tcctcctgcc tcggcctcct aaggtgctgg gattgca acgt</pre>	agtg gtgcaatctc 120 ttca agtaattctc 180 cact tggctaattt 240 gtct cgaactcctg 300
<210> 868 <211> 472 <212> DNA <213> Homo sapien	
<pre><400> 868 ccaccagtcc acagatgtga ctggtaaggg atctagtaac agaggat atattatcct ggatgatatg cacccagcac taggatacac ctttcat acagacaaag ccctcagaaa agatacaaag gcagagacat tgattag aacagaggtg gggccattac ccaccattat tgtaaaataa ctgtaac tacaggcttc tttaatggag ttaataaaac tatggcacat tgggaat actgttccca gacggaaaac tgggataaag ggagccatgc tgacagg ctaggttgtt agaaaggagc cctagcccag aaatgacagc aaatagc tggggctgaa ccagaggaag ccaggctgag ccaagaagct ggaagta</pre>	tag aatgaagaga 120 gaac attatctcat 180 ctaa ccaaaacaca 240 ccag gggcagaggt 300 ggcc ttattccagt 360 ccat aatcattatg 420
<210> 869 <211> 368 <212> DNA <213> Homo sapien	
<pre><400> 869 cctttcttgt aagtgaagaa aaaggaatgc agcaaagaag agttcga agttccatca ggatcccatt cgcagccttt agcatcatgt agaagca gctgagatag gtgcaatgac ctacaagatt ttgtgttttc tagctgt tcttcagtct tgctgacagt caaagagcaa gtgaaaccat ttccagc aagcagccga accaatgatt aaagacctct aaggctccat aatcatc aaactcattg tgacttttta ttttatatac aggattaaaa tcaacat ttacatgg</pre>	taac tgcacctatg 120 dcca ggaaaagcca 180 dcta aactacataa 240 datt aaatatgccc 300
<210> 870 <211> 411 <212> DNA	

<213> Homo sapien	
<pre><400> 870 ggcgtgtcct tggacttaga gagtggggac gtccggcttc ggagcgggag tgttcgttgt gccagcgact aaaaagagaa ttaaatatgg gtgatgttga gaaaggcaag aagattttta ttatgaagtg ttcccagtgc cacaccgttg aaaagggagg caagcacaag actgggccaa atctccatgg tctctttggg cgggagacag gtcaggcccc tggatactct tacacagccg ccaataagaa caaaggcatc atctggggag aggatacact gatggagtat ttggagaatc ccaagaagta catccctgga acaaaaatga tctttgtcgg cattaagaag aaggaagaaa gggcagactt aatagcttat ctcaaaaaaag ctactaatga gtaataattg g</pre>	60 120 180 240 300 360 411
<210> 871 <211> 385 <212> DNA <213> Homo sapien	
<220> <221> misc_feature <222> (1)(385) <223> n = A,T,C or G	
<pre><400> 871 ttttttttt ttnnnttttt tttttnaaa gattcacttt atttattcat tctcctcaa cattagcata attaaagcca aggaggagga gggggggtga ggtgaaanat ganctggagg accgcaatag gggtaggtcc cctgtggaaa aagggtcana ggccaaagga tgggaggggg tcaggctgga actgagganc aggtggggg acttntccct ntaacactnt cccctgttga agctntttgt gacgggcnan ctcaggccct gatgggngac ttcncaggcg tanactttgt gtttctcgna ntctgctttg ctcancgtca gggtgetgnt gaggctgtan ggtgctgtcc ttgctgtcct gctntgngac actct</pre>	60 120 180 240 300 360 385
<210> 872 <211> 184 <212> DNA <213> Homo sapien	
<220> <221> misc_feature <222> (1)(184) <223> n = A,T,C or G	
<400> 872 cttccttcgg tctttantat ttttgattgt tatgtaaaac tcgcttttat tttaatattg atgtcagtat ttcaactgct gtaaaattat aaacttttat acttgggtaa gtcccccagg ggcgagttcc tcgctctggg atgcaggcat gcttctcacc gtgcagagct gcacttggcc tcag	60 120 180 184
<210> 873 <211> 397 <212> DNA <213> Homo sapien	
<400> 873 ctgtgggctc tgaatggcgt ccctttggct atccacgccg ccggcgacca ctgaattctg tggttctaca acagggtctg gctgaccgaa ttgtcagaga cgtccaggaa ttcatcgata	60 120

accccaagtg of cccctggttg of tctgcctgct of gcgtggcccc of gagacttggc	cggaaagagc gagcctcacg gcagcagagc	agttttatca gactccagcc ctggtactcc	cagccctggc tctctgatga tggaggatgt	tggggaactg ccgactcaac	gagcacagca cacctgctga	180 240 300 360 397
<210> 874 <211> 156 <212> DNA <213> Homo	sapien					
<400> 874 ccagaagaac a ttacaatcga a aagcagcatt	aggagttcct	atctatctgt	aaagaagaga			60 120 156
<210> 875 <211> 512 <212> DNA <213> Homo s	sapien					
<220> <221> misc_: <222> (1) <223> n = A	. (512)					
<400> 875 ccagcatagc gacgtctgtaa gagaggttgc aaaaaaagtg aagagtctcaa gagagtctcaa gagagtctcaa gcacaactc cctggatcatg gggtgtgt g	taccagette agtgagetga acttgattta ggtgttaatg tagaggeaca cagtgtgtet ggaaageatt	tcaggaggct gatcatgcca agggaaaaaa tgaatgatta gaaaaaggtg ctttgtgtag tccatttgtt	gaggcacgag gggcaacaga tgactggcta aggtcttggg cagttgggtt aatgtcagca aatagattgt	gatcacttga atgagacttt tattcagtca gggggtgtcc cttaatgtga gacacccct	acccaggagg gtttaaaaaa gatatggcaa cctatcagac aatgatgaga gctagatgtg	60 120 180 240 300 360 420 480 512
<210> 876 <211> 199 <212> DNA <213> Homo s	sapien					
<400> 876 cctgtgccgg g tgacaggatc d acactgcagg d acaagcttct d	cggaagtctc cggtactgag	catttaccca	aaaatgcaag	agccatgatc	agtcatggcg	60 120 180 199
<210> 877 <211> 486 <212> DNA <213> Homo s	sapien					
<400> 877						

egegtgtget geteeettet gecaggagee cactgetttt geacacaage tgeattttge geattgacte aggteecagt tgetetteat ateteegtga atgattggag tgeaaagata etgttetgag egetteeegt tttetgaaag ecatgtetet eaggeatgee tegettagtt ggegatgggg ttggttgact gttttegett ttttettett etetttett etettette tttttt	180
<210> 878 <211> 363 <212> DNA <213> Homo sapien	
<pre><400> 878 cctgggcccg ctgacttcag ggtgaggcca cagctactgc agcgctttt atttatttat ttactgagat ggagtcttgc tctgtcaccc aggctggagt gcagtggtgc aatctcggct cactgcaacc tctgcctcct gggctgcagt gattctcctg cgttcaagta attctcctgc ctcggccttc tgagtagttg ggattacagg catatgccac cacacttggc taatttttgt atttttagta gaaatggggt ttcaccatgt tggcgaggct ggtctcgaac tcctgacctc aaggatcctc ctgcctcggc ctcctaaggt gctgggattg caggtgtgag ccaccacgtc tgg</pre>	60 120 180 240 300 360 363
<210> 879 <211> 365 <212> DNA <213> Homo sapien	
<220> <221> misc_feature <222> (1)(365) <223> n = A,T,C or G	
<pre><400> 879 gcccatgcca gcgtgtggtc agcacgcaca acttgtggct gctgtccttc ctgaggaggt ggaatgggag cacagccatc acagacgata ccctgggtgg cactctcacc attacgctgc ggaatctaca accccatgat gcgggtctct accagtgcca gagcctccat ggcagtgagg ctgacaccct caggaaggtc ctggtggagg tgctggcaga ccccctggat caccggaatg ctggagatct ctggttcccc ggggagtctg agagcttcga ggatgcccat atggagcaca gcatctccag gagcctcttg gaaggagaaa tccccttccc acccacttcc atccttntcc tcctg</pre>	60 120 180 240 300 360 365
<210> 880 <211> 431 <212> DNA <213> Homo sapien	
<pre><400> 880 ccatctcccc tcaccccaac ctggataaaa tgttacacta cccactaata taaccactga cacacaaacc aagctccttc cagtttaaca ttgaacatca atctacattt ccagtgaatg agctaaactt atgagcaggc cattcaactt ttcatgatac atttagtgct cagaaatggt tgattccatt agcctgccct atagctcagg tggcccaaga tggagcctat catcttcctt ggggtgtttg gtgtttccaa gtaggagcat aaaaaggata ccgtccccta ccccaccacc</pre>	60 120 180 240 300

ccatcccaca ttgggcacca aaacaataag	caaataatgt					360 420 431
<210> 881 <211> 335 <212> DNA <213> Homo	sapien					
<400> 881 ccacagaggt gagectgecte ataacttatg attgggaattg ctgggatggt getectecttt g	atttccaaat aaaaatgctg atatctacaa ggagaagctg	gagagcacta tacagggctg gggggagggt ggatgggga	gaagcacaaa tgactataga caggggagga ggccccaatc	tcatgcagac tatagagtat ctgtctgata	catttactat ttggctctgt tcctgacttg	60 120 180 240 300 335
<210> 882 <211> 353 <212> DNA <213> Homo	sapien					
<400> 882 atgcactcaa atgggaacata aaaatcagca atggcgaccgg taagatataa agaaagtccta g	cagaactcta attccccagc gcaagctttc aaaggggttt	aaagatagac gtagtcaagg ttcctcgaga ctttttgtct	atcagaaatt gtggacactg tgctctgctg ttctgtaagg	gttaagttaa cacgctctgg cttgagagct tggacttcca	gctttttcaa catgatggga attgctttgt gcttttgatt	60 120 180 240 300 353
<210> 883 <211> 193 <212> DNA <213> Homo s	sapien				·	
<400> 883 ctggcagaga a accgagcgag o ttacaggccc o caggagatta o	cgcggcaagt caggggaggc	gccggaacac	ctgctgaagg	aagggttggc	gtggctggac	60 120 180 193
<210> 884 <211> 461 <212> DNA <213> Homo s	sapien					
<400> 884 ctgaagaacc cttcaacatga tctgtacctag gcagtgctgt tcccttgattg gatcttggttt ggattggtttt g	tagagcagag ggttggggtc ttggtggcgc gccctttctc aacaaggggg	tggaccaccc aggtgctttt ctatcttttc cagatattga aggttgactc	catgaacctc gctcctgacg ctccttccct gcagggaata tgttggctgt	ggtaagagac cagtcttggc tctgcctttt tagaccttgg aatgaagctt	cacccaggaa tgatttgtga agctaaattc accagccaga ctttagaaat	60 120 180 240 300 360 420

ggcaggcata tcacgaggtc	aggagtttga	gaccagcctg	g		461
<210> 885 <211> 266 <212> DNA <213> Homo sapien					
<220> <221> misc_feature <222> (1)(266) <223> n = A,T,C or G					
<400> 885 ctgcaatgct tcancacact atcaaatacc cctaaagcaa ggctgcacca ccagtcatga tgataccaag agtaccttca tctttgctcc tcaaggctgt	tatctttgtt ggatctcaga gattctggaa	atgggcactt ccagagctcc	gaatggtgct aggaagttct	gcttcacaga gctgttggtc	60 120 180 240 266
<210> 886 <211> 402 <212> DNA <213> Homo sapien					
<400> 886 cgcgtggttt ccgattgttt cgatgtcaca ccaggaaggt aacctgtagg tccccgatgt tgcctcatca ttacttttca aggatcagtc atctgtctaa cctgtgttca aattcactga aaagcacgga tcctgcacaa	tgttgagcat ttaattttag ccttctcacg ctacatgaag taaagttttc	ttcttcaaca agctccaatt agtcttttcc aatgatttcc ataaagctta	tcttcaattg gctgttttac agaaaagtaa acgagggaca atgagaccat	tttcctttgt acaggatcac gagccacatt aagggttcac	60 120 180 240 300 360 402
<210> 887 <211> 342 <212> DNA <213> Homo sapien					
<400> 887 ccaaagcgag agcattggca aggtagcatc aacatagcca gccttaccat cataccccc agcctgcgat gatgattccc agaggctggc tgctgtgtgg gctggtaggt gacagcatca	tagatgtagg ataggcactg gccatcaggt accagtggag	agctcccgga agtacacctg cttcccggta gctcattcag	gcctccaatg ccctccttct tcggtaacac ttcaatgctg	gcaaaggact tgagggtccc atctccttaa	60 120 180 240 300 342
<210> 888 <211> 228 <212> DNA <213> Homo sapien					
<400> 888 cgcgtcggcc aaggctgctg cagggaccca cgagcagagg					60 120